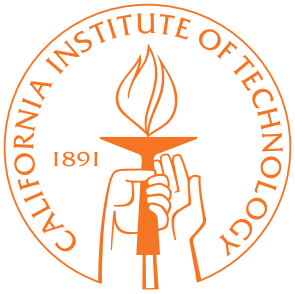
CALIFORNIA INSTITUTE OF TECHNOLOGY



One Hundred Thirty-Second

Commencement

June 12, 2026

132nd Annual Commencement

CALIFORNIA INSTITUTE OF TECHNOLOGY

Friday, June 12, 2026
10 a.m.

ACADEMIC PROCESSION

Chief Marshal
Konstantin Batygin, Ph.D. (Ph.D. '12)

Marshals
Nick Hutzler, Ph.D. (B.S. '07)
Melany Hunt, Ph.D.
David Chan, M.D., Ph.D.
Azita Emami, Ph.D.
Andrei Faraon, Ph.D. (B.S. '04)

Faculty Officers
Azita Emami, Ph.D.
Gil Refael, Ph.D.

Marching Order
Candidates for the Degree of Bachelor of Science
Candidates for the Degree of Master of Science
Candidates for the Degree of Doctor of Philosophy
The Faculty Officers
The Faculty
The Chairs of the Divisions
The Deans
The Vice Provosts
The Provost
The Vice Presidents
The Caltech Alumni Association Executive Officers
The Trustees
The Commencement Speaker
The President
The Vice Chair of the Board of Trustees

PROGRAM

Organ Prelude	Leslie J. Deutsch, Ph.D. (B.S. '76, Ph.D. '80)
Processional	The Caltech Convocation Brass, Percussion, and Organ Ensemble *Glenn D. Price, D.M.A., Conductor*
Presiding	Ambassador Barbara M. Barrett *Vice Chair of the Board of the Trustees*
Commencement Speaker	Kip Thorne, Ph.D. (B.S. '62) *Theoretical Physicist*
Choral Selection "Gaudeamus Igitur" Traditional, Arranged by Dr. Deutsch *(Translation on page 72.)*	The Caltech Glee Club *Nancy Sulahian, M.M., Conductor* Convocation Brass, Percussion, and Organ Ensemble
Conferring of Degrees	Thomas F. Rosenbaum, Ph.D. *President* *Sonja and William Davidow Presidential Chair and Professor of Physics*

Presentation of Candidates for Degrees

For the Degree of Bachelor of Science	Jennifer A. Jahner, Ph.D. *Faculty Dean of Undergraduate Studies*
For the Degree of Master of Science	David C. Chan, M.D., Ph.D. *Faculty Dean of Graduate Studies*

For the Degree of Doctor of Philosophy	
Biology and Biological Engineering	Paul W. Sternberg, Ph.D. *Division Chair*
Chemistry and Chemical Engineering	Sarah E. Reisman, Ph.D. *Division Chair*
Engineering and Applied Science	Harry A. Atwater, Ph.D. *Division Chair*
Geological and Planetary Sciences	John M. Eiler, Ph.D. *Division Chair*
Humanities and Social Sciences	Tracy K. Dennison, Ph.D. *Division Chair*
Physics, Mathematics and Astronomy	Hirosi Ooguri, Ph.D. *Division Chair*
Announcement of Awards and Concluding Remarks	President Rosenbaum
Alma Mater "Hail CIT" By Manton Barnes (B.S. '21) Arranged by Raymond Burkhart *(The audience may join in; lyrics are on page 74.)*	The Caltech Glee Club, and the Caltech Convocation Brass, Percussion, and Organ Ensemble
Recessional	The Caltech Convocation Brass, Percussion, and Organ Ensemble
Organ Postlude "The Throop Institute March," composed by E. C. Kammermeyer in 1900 for the Throop Institute Guitar and Mandolin Society	Dr. Deutsch

Livestreaming of Caltech's 2026 Commencement ceremony will begin shortly before 10 a.m. on Friday, June 12, at www.caltech.edu.

Follow along with the day's events on Facebook, Instagram, X, and Bluesky. Share your photos and join the celebration by using #Caltech2026. (See page 76 for more information.)

All music for the Caltech Commencement arranged by Dr. Leslie Deutsch.

ABOUT THE KEYNOTE SPEAKER

Theoretical physicist and distinguished alumnus Kip Thorne (B.S. '62) was a seminal figure in the discovery of gravitational waves—ripples in the fabric of space and time that provide an unprecedented window into the physics of some of the most energetic events in the universe involving black holes and neutron stars.

Thorne helped to conceive and develop the Laser Interferometer Gravitational-wave Observatory (LIGO), a collaboration between Caltech and MIT. He also led theoretical studies to estimate the frequencies of waves that would be produced by massive objects in our universe, predict the strongest sources of gravitational waves, and explore the information that might be extracted from the waves. The most sensitive instrument ever built, LIGO detects several black hole mergers each week.

Thorne attended Caltech from 1958 to 1962, receiving his BS in physics. After earning his PhD from Princeton University, he returned to the Institute as a faculty member. With Rainer "Rai" Weiss from MIT and Caltech professor Ronald W. P. Drever, Thorne co-founded LIGO. After five decades and contributions from more than 1,000 scientists and engineers, LIGO made the first-ever observation of gravitational waves on September 14, 2015.

This major accomplishment launched a new era of exploring the universe. In partnership with Saul Teukolsky, Thorne created the Simulating eXtreme Spacetimes (SXS) Project to advance the computational simulation of gravitational-wave sources, an endeavor critical to extracting information carried by gravitational waves.

Thorne has collaborated across media to inspire people to engage with science. He teamed up with composer Hans Zimmer and artists Paul Franklin and Oliver James to create multimedia concerts about the warped side of the universe. He was executive producer and science advisor for Christopher Nolan's film *Interstellar*. With painter Lia Halloran, he conceived paintings and verse for their book *The Warped Side of Our Universe*.

Among many accolades, Thorne was elected to the American Academy of Arts and Sciences, the National Academy of Sciences, and the American Philosophical Society. He received the Kavli Prize, the Shaw Prize, the Gruber Prize in Cosmology, the Special Breakthrough Prize in Fundamental Physics, and the Nobel Prize in Physics.

ABOUT CALTECH

Caltech, founded in 1891, is a world-renowned science and engineering institute that marshals some of the world's brightest minds and most innovative tools to address fundamental scientific questions and pressing societal challenges.

A Caltech education is notable for its rigorous curriculum, close collaborations with faculty, and small class sizes. Caltech students work toward undergraduate and graduate degrees alongside their intellectual equals in an academic environment that emphasizes interdisciplinary teamwork, critical thinking, mutual support, and a deep understanding of core concepts and principles across fields.

Students graduate from Caltech prepared to become world leaders in science, engineering, academia, industry, and public service. Graduates are well trained in their ability to identify, analyze, and solve challenging problems within and across science and engineering disciplines, and are prepared to apply and communicate their expertise broadly throughout their professional careers.

An independent, privately supported institution, Caltech manages the Jet Propulsion Laboratory (JPL) for NASA. Together with JPL, Caltech is Pasadena's largest employer and a source of programs that benefit the entire region. Caltech also owns and operates the Seismological Laboratory, more than 50 research centers and institutes, and a global network of astronomical observatories, including the Palomar and W. M. Keck observatories. In addition, the Institute co-founded and co-manages the Laser Interferometer Gravitational-wave Observatory (LIGO).

Caltech's faculty, students, postdoctoral scholars, and staff produce transformative breakthroughs in fields ranging from quantum science and engineering to bioinformatics to energy and sustainability. Caltech faculty and alumni have earned national and international recognition, including 49 Nobel Prizes.

We celebrate today the graduates who will earn 235 bachelor's degrees, 126 master's degrees, 1 engineer's degree, and 255 doctoral degrees, and who will contribute to Caltech's impressive legacy and record of achievement around the world.

CANDIDATES FOR DEGREES

Bachelor of Science

Darleine Abellard *Malverne, New York* Computer Science with a minor in English.

Tia Esther Abraham *Highlands Ranch, Colorado* Computer Science and Business, Economics, and Management.

Cecilia Kate Abramson *Mahomet, Illinois* Astrophysics with a minor in Environmental Science and Engineering.

Sophia Marie Adams *Rochester Hills, Michigan* Physics.

Ali Zafar Ahmad *Bensalem, Pennsylvania* Physics.

Ethan Alexander Alderete *Kapa'a, Hawaii* Astrophysics.

Jacob Rich Alderete *Murrieta, California* Mechanical Engineering and Business, Economics, and Management.

Jena Ann Alsup *Los Altos, California* Computer Science.

Nathaniel Anthony Alvarez *Downey, California* Computer Science.

Parthorn Ammawat *Bangkok, Thailand* Electrical Engineering (Photonics & Quantum) and Applied Physics.

Dharshini Vijai Anand *Sammamish, Washington* Computer Science with minors in Astrophysics and Information and Data Sciences.

Yuvan Anand *Republic of Singapore* Physics.

Mohammad Arbab *Harrisburg, Pennsylvania* Mechanical Engineering.

Mars Arechavala *Altamonte Springs, Florida* Mechanical Engineering.

Eliot Arguello *Chicago, Illinois* Mathematics.

Alexis Lynn Ashby *Idaho Falls, Idaho* Materials Science.

Sahil Azad *Charlotte, North Carolina* Computer Science and Business, Economics, and Management.

Graciela Anjeli Bachu *Richmond, Texas* Computation and Neural Systems with a minor in Philosophy.

Aadarsh Balaji *Garnet Valley, Pennsylvania* Chemistry.

Meher Gautam Banik *San Mateo, California* Computer Science.

Sebastian Banuelos *El Paso, Texas* Mechanical Engineering.

Ava O. Barbano *Carlsbad, California* Computation and Neural Systems.

† *Students whose names are followed by a dagger are close to completion and will receive diplomas at the end of the academic year in which all graduation requirements are met.*

Bachelor of Science continued

Kyrillos Ashraf Bastawros *Ames, Iowa* Mechanical Engineering.

Rupali Batta *San Jose, California* Computer Science with a minor in Robotics.

Ruth Huiliang Berkun *Arcadia, California* Electrical Engineering (Medical Engineering).

Brady Stulp Bhalla *Fort Collins, Colorado* Computer Science.

Donavan Goddy Borges† *Fresno, California* Computer Science.

Daniel Brito Matehuala *Oxnard, California* Mechanical Engineering.

Kevin Cai *San Antonio, Texas* Computer Science.

Luis Javier Calyeca *South Gate, California* Mechanical Engineering.

Etienne Maxime Casanova *Saratoga, California* Computer Science with a minor in Information and Data Sciences.

Matthew Ryan Casertano *North Potomac, Maryland* Computer Science and Business, Economics, and Management with a minor in Information and Data Sciences.

David Andres Castillo Lozada *Johns Creek, Georgia* Materials Science.

Enzo Tiziano Celis *Granada Hills, California* Mechanical Engineering.

Sujay Champati *Pleasanton, California* Physics.

Jacob Chang *Garden Grove, California* Computer Science.

Ardra Charath *Madison, Wisconsin* Computer Science and Political Science with a minor in Robotics.

Dora Chatterjee *Las Vegas, Nevada* Applied and Computational Mathematics.

Kyle Yu Chen *Columbia, Missouri* Mechanical Engineering.

Maxwell Falin Chen *Boyds, Maryland* Computer Science.

Sayuj Choudhari *Chicago, Illinois* Applied and Computational Mathematics.

Nika Chuzhoy *Glenview, Illinois* Computer Science.

Isara Euguenia Cisneros† *Fontana, California* Chemistry.

Trenton James Cobos *Simi Valley, California* Mechanical Engineering.

Kyla Cook *Oakland, California* Mechanical Engineering with a minor in Aerospace Engineering.

Rafael Alejandro Crespo *Milton, Georgia* Physics.

Felipe Cruz Falquez *Miami, Florida* Computer Science with a minor in Information and Data Sciences.

Gerard Richard Decker *Oceanside, California* Computer Science and Applied and Computational Mathematics.

Aamina Dhar *Bethesda, Maryland* Computation and Neural Systems.

Maya Jishwen Dickson *Atlanta, Georgia* Electrical Engineering.

Wilson Duan *Foster City, California* Computer Science.

Stephen Egwolor Odomero Gabriel Ebaseh-Onofa *Edinburg, Texas* Computation and Neural Systems with a minor in Computer Science.

Bachelor of Science continued

Madeline Solveig Egan *Gerrards Cross, United Kingdom* Computer Science and Business, Economics, and Management.

Lynn Feng *Bellevue, Washington* Computer Science.

Alejandro Javier Figueredo *Miami, Florida* Mathematics.

Nerissa Audrey Finnen *Carmel, Indiana* Electrical Engineering (Circuits & Electronics).

Brendan Quinn Flaherty *Narragansett, Rhode Island* Computer Science and Business, Economics, and Management.

Samuel Holland Foxman *West Hartford, Connecticut* Computer Science.

Ania Freymond *Beijing, People's Republic of China* Physics.

Anirudh Gajula *Republic of Singapore* Applied and Computational Mathematics.

Tanvi Lakshmi Ganapathy *Bellevue, Washington* Bioengineering and Computation and Neural Systems with a minor in Computer Science.

Steve Garcia *Van Nuys, California* Electrical Engineering.

Jabri Garcia-Jimenez *Candor, North Carolina* Mechanical Engineering.

Camilo Garrido Fernandez† *Miami, Florida* Mechanical Engineering.

Miles Gee *Gladwyne, Pennsylvania* Computer Science.

Mark Anthony Gherghetta *Edina, Minnesota* Physics.

Madelyn Skye Gilbert *Clovis, California* Chemistry with a minor in Neurobiology.

Anish Goel *Ottawa, Canada* Applied and Computational Mathematics.

Alexander Tomas Gogola *Houston, Texas* Mechanical Engineering.

Yingying Gong *Nanjing, People's Republic of China* Computer Science and Physics.

Samuel Prazeres Goodman *Las Vegas, Nevada* Mathematics.

Charvi Goyal *Plano, Texas* Computer Science.

Elisa S Grillo *Cyrpress, Texas* Bioengineering.

Emily Xiaoxuan Gu *Auckland, New Zealand* Computer Science.

Ashug Kumar Gurijala *Hyderabad, India* Computer Science.

Kieran Ansel Hale *Fort Collins, Colorado* Applied and Computational Mathematics.

Aidan Elessar Hamner *Bettendorf, Iowa* Mechanical Engineering with minors in Aerospace Engineering and English.

Claire Liu Hays *Davis, California* Mechanical Engineering.

Alexis Shaw Herfurth *Sonora, California* Mechanical Engineering with a minor in Visual Culture.

Noah Shaffer Hicks *Davidson, North Carolina* Chemical Engineering (Sustainability).

Hana Hisamune *Tokyo, Japan* Physics and Materials Science.

Chi Anh Hoang *Hanoi, Vietnam* Computer Science.

Elinor Joy Holland *Colleyville, Texas* Bioengineering.

Qianhui Hong *Shenzhen, People's Republic of China* Computation and Neural Systems.

Bachelor of Science continued

Brian Hu *Moraga, California* Computation and Neural Systems with a minor in Computer Science.

Mark Shihua Hu *San Jose, California* Computer Science with a minor in Information and Data Sciences.

Simon Stephen Hu *Clarksville, Maryland* Computation and Neural Systems.

Fangyao (Yao) Huang *Dalian, People's Republic of China* Electrical Engineering (Circuits & Electronics).

Zachary William Huang *Columbia, South Carolina* Computer Science.

Evelyn Huerta *Rialto, California* Computer Science with a minor in Information and Data Sciences.

Amir Ibrahim *Wayne, New Jersey* Physics.

Jun Ikeda *Tokyo, Japan* Mathematics.

Sujit Iyer *Marietta, Georgia* Computer Science and Business, Economics, and Management.

Mehul Jangir *Jaipur, India* Geochemistry.

Armeet Singh Jatyani *San Jose, California* Computer Science.

Jihyun Jeon *Seoul, Republic of Korea* Computer Science.

Ezra Ray Johnson *Columbus, Ohio* Computer Science.

Colton Jack Johnston *Eureka, California* Mechanical Engineering.

Krishna Kamalakannan *Fargo, North Dakota* Mathematics with a minor in Biology.

Daniel Peter Khalil *Yorktown, Virginia* Computer Science.

Eleanor W. Kim *Fairfax, Virginia* Physics.

Julia Nayeon Kim *San Jose, California* Computer Science.

Stavros Klaoudatos *Athens, Greece* Physics.

Ümran Serra Koca *Ankara, Türkiye* Physics.

Nikita Kosolobov *San Jose, California* Computer Science.

Luke Theodore Kottom *Rochester, Minnesota* Computer Science and Business, Economics, and Management.

Diya Tulasi Kumar *Redmond, Washington* Astrophysics and Geological and Planetary Sciences (Planetary Science).

Shrujana Srinivasan Kunnam *Rockville, Maryland* Computation and Neural Systems.

Jamie Ha-Young Kwon *Seoul, Republic of Korea* Bioengineering with a minor in Computer Science.

Ethan Louis Labelson *Woodbury, New York* Electrical Engineering (Circuits & Electronics).

Luke Lamitina *Pittsburgh, Pennsylvania* Astrophysics.

Marisa Langley *Tallahassee, Florida* Geological and Planetary Sciences (Planetary Science) and Mathematics.

Bachelor of Science continued

Dillan Chuang Lau *Novi, Michigan* Bioengineering with a minor in Computer Science.
Ryan Josef Leal *Kensington, Maryland* Mathematics and Economics.
Eric Chan Lee *Newport Beach, California* Computer Science with a minor in Mathematics.
Gina Lee *Irvine, California* Computer Science with a minor in Information and Data Sciences.
Guanxi Li *Changchun, People's Republic of China* Mathematics.
Yingxiao Liao *Beijing, People's Republic of China* Materials Science.
Yuexin Liao *Wuhan, People's Republic of China* Mathematics.
Ethan Nicholas Lin *San Diego, California* Chemistry with a minor in Biology.
Jonathan Lin *Katy, Texas* Computer Science.
Ryan Yowlin Lin *Millbrae, California* Computer Science.
Yi Lin *West Haverstraw, New York* Geology.
Christina Liu *Redlands, California* Computer Science.
Mabel Lu *Milpitas, California* Mechanical Engineering.
Yaodong Lu *Shenzhen, People's Republic of China* Physics with a minor in Aerospace Engineering.
Nyasha Reuben Makaya *Gokwe, Zimbabwe* Computer Science with a minor in Information and Data Sciences.
Raaghav Malik *Galena, Ohio* Computer Science and Economics.
Ishaan Mantripragada *Saratoga, California* Computer Science with a minor in Information and Data Sciences.
Arnauld B Martinez *Grand Terrace, California* Computer Science.
Jose Antonio Martinez *Baldwin Park, California* Chemistry.
Ishita Mathur *Phoenix, Arizona* Computation and Neural Systems.
John Griffith Mattson *Los Angeles, California* Mathematics.
Jude Eliot McLean *Moreno Valley, California* Physics.
Mikhail Mints *Falls Church, Virginia* Computer Science and Mathematics.
Bertha Alicia Mireles Cisneros *Columbus, Mississippi* Chemical Engineering (Biomolecular).
Anya Bruna Mischel *Haymarket, Virginia* Mechanical Engineering.
Frida Maria Moreno *Thousand Oaks, California* Computer Science.
Robert Bernard Morgan III *Chicago, Illinois* Physics.
Abdulkarim Mugisha *Kigali, Rwanda* Computer Science.
James David Muren Jr† *San Diego, California* Mechanical Engineering.
Giulia Murgia *Iglesias, Italy* Astrophysics.
Mia Sofia Mutadich *London, United Kingdom* Computer Science.
Patricia Anne Sulit Mutia *Glen Allen, Virginia* Computer Science.
Jack Kevin Myles *Houston, Texas* Computer Science.

Bachelor of Science continued

Shreya Nag *Plano, Texas* Computer Science and Economics with a minor in Information and Data Sciences.

Firdavs Nasriddinov *Angren, Uzbekistan* Computer Science with a minor in Robotics.

Randy Christopher Ngo *Denver, Colorado* Computer Science.

Bao Nguyen *Honolulu, Hawaii* Chemistry.

Duy Hoang Duc Nguyen *Annandale, Virginia* Computer Science.

Thanhthanh Vo Nguyen *Oakland, California* Computer Science with a minor in Environmental Science and Engineering.

Ali Rahman Niazi *Mendham, New Jersey* Bioengineering.

Emily Grace Nikas *Minnetrista, Minnesota* Chemistry.

Eden Nana Obeng Kyei *Kumasi, Ghana* Computer Science.

Ama Agyeiwaa Obeng *Woodbridge, Virginia* Mechanical Engineering.

Katherine Elizabeth Ochoa *Culver City, California* Chemistry.

Siddhartha Mohan Ojha *Lake Forest, Illinois* Applied and Computational Mathematics and Economics.

Emma Jeanne Olinger *Junction City, Oregon* Bioengineering.

Carlos Daniel Olivas *El Paso, Texas* Mechanical Engineering.

Bryan Ramos Oliveira *Silver Spring, Maryland* Computer Science.

George Louis Ore *La Puente, California* Electrical Engineering (Computer Engineering).

Isabella Marie Pagano *Libertyville, Illinois* Mechanical Engineering with minors in Aerospace Engineering and English.

Sana Paktinyar *Denver, Colorado* Chemical Engineering (Biomolecular) and Business, Economics, and Management.

Sanvi Pal *San Diego, California* Computer Science with a minor in Neurobiology.

Shrishti Pankaj Kulkarni *Bengaluru, India* Physics with a minor in Computer Science.

Sophia Michele Parker *Palmdale, California* Electrical Engineering.

Ria Minesh Patel *Gainesville, Florida* Computation and Neural Systems and Business, Economics, and Management.

Sneh Mukeshkumar Patel *Los Angeles, California* Computer Science.

Andrew Nathan Perdue *Stanley, North Carolina* Electrical Engineering.

Dylan Perez *St. Petersburg, Florida* Astrophysics.

Phuong Thanh Pham *Rockford, Illinois* Mechanical Engineering.

Virginia Hunter Pistilli *Portola Valley, California* Chemistry (Biochemistry) with a minor in Environmental Science and Engineering.

Chris Pope *Houston, Texas* Electrical Engineering (Medical Engineering).

Camilla Maria Power† *Edmonds, Washington* Chemistry with a minor in Biology.

Bachelor of Science continued

Sonica Jai Prakash *Tampa, Florida* Computer Science.
Lauren Nia Pryor *Wellesley, Massachusetts* Computer Science and Economics.
Akshar Dharmasanam Ramkumar *Palo Alto, California* Mathematics.
Sreeyutha Ratala *Edina, Minnesota* Computer Science.
Mahi Ravi *Saratoga, California* Chemical Engineering (Computational).
Sara Razavi *Fairfax, Virginia* Mechanical Engineering with a minor in Biology.
Rachel Johanna Reyes Segura *Los Angeles, California* Mechanical Engineering.
Nilo Eduardo Rivera *Columbia, Maryland* Computer Science with a minor in Astrophysics.
Ashlyn Mary Roice *Mountain House, California* Computer Science with a minor in Information and Data Sciences.
Hannah Ada Marie Rose *Hartland, Wisconsin* Physics.
Josh Arthur Saha *Rye, New York* Physics.
Alianna Leilani Santisteban *Tucson, Arizona* Physics.
Bram Winter Schork *Villanova, Pennsylvania* Mechanical Engineering.
Jacob Webb Schuster *La Cañada Flintridge, California* Computer Science.
James Alton Scott *Cookeville, Tennessee* Mechanical Engineering.
Elyes Serghine *Fremont, California* Computer Science.
Kristina Ann Sevier *Fishers, Indiana* Mechanical Engineering.
Faiza Nassor Shabibi *Cottage Grove, Minnesota* Materials Science.
Sanjana Suken Shah *Montville, New Jersey* Biology.
Ridah Shaista Shanavas *Hyderabad, India* Bioengineering.
Arden Jialei Shao *Rocklin, California* Computer Science.
Domani S Sharkey *Downers Grove, Illinois* Physics.
Jaylen Shawcross *Gig Harbor, Washington* Mechanical Engineering and Geological and Planetary Sciences (Planetary Science) and History.
Siddhartha Rohit Shendrikar *Los Angeles, California* Applied and Computational Mathematics.
Savar Dayal Sinha *Chandler, Arizona* Computer Science and Physics.
Pritvik Sinhadc *Delhi, India* Physics with a minor in Astrophysics.
Mario Alexander Solis *Alexandria, Virginia* Computer Science with a minor in Information and Data Sciences.
Peiyang Song *Tianjin, People's Republic of China* Computer Science with a minor in Robotics.
Oluwatamilore Oluwasikemi Soyebo *Lawrenceville, Georgia* Computer Science with a minor in Information and Data Sciences.
Sage Hadley Stanton† *Kamuela, Hawaii* Physics.

Bachelor of Science continued

Elin Anna Yvonne Stenmark *Örebro, Sweden* Astrophysics and Geological and Planetary Sciences (Planetary Science).

Sophia Madeline Steven *Broomfield, Colorado* Computer Science.

Sophia Cheng Stiles *San Ramon, California* Computer Science.

Manal Sultan *Clovis, California* Computer Science and Philosophy.

Jingtong Sun *Chongqing, People's Republic of China* Computer Science.

Ashwitha Poulomi Surabhi *Ashburn, Virginia* Computation and Neural Systems with a minor in Biology.

Aaban Ali Syed *Laurel, Maryland* Electrical Engineering (Medical Engineering) with a minor in Biology.

Anna Monika Szczuka *Scotch Plains, New Jersey* Computer Science with a minor in Information and Data Sciences.

Adelynn Shiyu Tang *Shanghai, People's Republic of China* Physics.

Ritvik Sai Teegavarapu *Boca Raton, Florida* Applied and Computational Mathematics.

Tigist Terefe† *Springfield, Massachusetts* Biology.

Apoorva Thanvantri *Saratoga, California* Computer Science.

Sean Matu Theuri *Nairobi, Kenya* Computer Science.

Vansh Vinaykumar Tibrewal *Mumbai, India* Computer Science.

Laurent Andrea Torres Sauceda *San Antonio, Texas* Computation and Neural Systems.

Angelina Juliana Torres† *Seattle, Washington* Mechanical Engineering.

Thang Tran *Denver, Colorado* Computer Science.

Avinash Vadali *Chicago, Illinois* Physics.

Maxwell Sebastian Vale *Staten Island, New York* Mechanical Engineering.

Alexander Vazquez *Lynwood, California* Computer Science.

Priscilla Xitlali Vazquez *Los Angeles, California* Mechanical Engineering.

Annika Viswesh *Palo Alto, California* Computer Science.

Kieran Giovanni Vlahakis *Lusaka, Zambia* Applied and Computational Mathematics.

Keyu Wan *Shanghai, People's Republic of China* Mechanical Engineering.

Austin Kaiji Wang *Palo Alto, California* Computer Science.

Bobby Kaisheng Wang *Palo Alto, California* Computer Science.

Erica Wang *Corpus Christi, Texas* Computer Science.

Jasmine Sa Wang *Katy, Texas* Mathematics and Biology.

Kenadi Grace Waymire *Fort Wayne, Indiana* Electrical Engineering (Intelligent Systems).

Jacob Patrick Wolmer *Tenafly, New Jersey* Mechanical Engineering with a minor in Aerospace Engineering.

Bachelor of Science continued

Elizabeth Jiho Won *Hong Kong, PRC* Applied and Computational Mathematics and English.

Jana Kaneko Woo *Saratoga, California* Computer Science.

Brittany Monique Wright *Kingston, Jamaica* Mechanical Engineering.

Olivia Le Yi Xu *Toronto, Canada* Electrical Engineering (Intelligent Systems) with a minor in Computer Science.

Lynn Yang *Fair Oaks, California* Information and Data Sciences.

Alanna Chu Yelland *Belmont, California* Biology.

Jessica Lujia Yin *Riverside, California* Computer Science.

Andrew Henry Zabelo *Florham Park, New Jersey* Physics and Computer Science.

Pierre Alexander Zeineddin *Gaithersburg, Maryland* Bioengineering.

Edward Zhang *Chicago, Illinois* Computer Science with a minor in Information and Data Sciences.

Master of Science

Isaac Natanael Aguilar Rivera *(Geobiology)* B.S., University of California, Berkeley 2022.

Chenxuan An *(Social Science)* B.A., Baruch College 2021.

Arnav Arora *(Applied Physics)* B.Tech., Indian Institute of Technology Roorkee 2024.

Bastien Eloi Bakker *(Applied Physics)* B.S., Cornell University 2024.

Termeh Bashiri *(Chemistry)* B.S., University of British Columbia 2021.

Lisa Nicole Blomberg *(Physics)* S.B., Massachusetts Institute of Technology 2023.

Luis Gabriel Burgos Hernández *(Chemical Engineering)* B.S., University of Puerto Rico 2023.

Jamie Gail Carpenter *(Aeronautics)* B.S., University of Minnesota, Twin Cities 2024.

Jordan Lynne Chastain *(Geobiology)* B.S., University of California, Berkeley 2024.

Wei-Hsin Chein *(Electrical Engineering)* B.Sc., National Cheng Kung University 2019.

Jielun Chen *(Physics)* B.S., University of California, Irvine 2022.

Li-Ming Chen *(Chemistry)* B.S., National Taiwan University 2020.

Shuang-Shuang Chen *(Physics)* B.S., National Taiwan University 2024.

Yizhou Chen *(Electrical Engineering)* B.S., Cornell University 2024.

Yonglin Chen *(Medical Engineering)* B.Eng., Tsinghua University 2021; M.S., Swiss Federal Institute of Technology Zurich 2024.

Isaac Fabian Yuhei Cheng *(Astrophysics)* B.Sc., University of Waterloo 2024.

Alan Chi *(Electrical Engineering)* B.S., Purdue University 2025.

Yanni Cho *(Applied Physics)* B.S., Daegu Gyeongbuk Institute of Science and Technology 2023; M.S., 2024.

Srihan Chowdhury *(Applied Mechanics)* B.S., University of California, Berkeley 2025.

Nastasija Conić *(Applied Physics)* B.S., University of Belgrade 2023.

Saren Hagop Daghlian *(Electrical Engineering)* B.S., California Institute of Technology 2025.

Emir Arda Deger *(Electrical Engineering)* B.S., University of California, Los Angeles 2024.

Hi'ileinani Malamalama Joy Dikilato *(Mechanical Engineering)* B.S., Brown University 2024.

Nil Dinç *(Electrical Engineering)* B.Sc., Eindhoven University of Technology 2024.

Finley Bartholomew Donachie *(Materials Science)* B.S., Rensselaer Polytechnic Institute 2024.

Krista Dong *(Chemistry)* B.A., Wellesley College 2020.

Madison Irwin Dunitz *(Geobiology)* B.A., B.S., University of California, Davis 2014.

Shounak Dutta *(Geochemistry)* B.Sc., Jadavpur University 2022.

Nicholas Michael Earley *(Physics)* B.A., The University of Chicago 2021.

Matthew Estes *(Social Science)* A.B., Harvard College 2018; J.D., The University of Chicago 2021.

Aadithya Ganapathy Shankar *(Applied Physics)* B.Tech., Indian Institute of Technology Madras 2024.

Master of Science continued

Harshkooshal Kamlesh Gandhi *(Electrical Engineering)* B.Tech., Indian Institute of Technology Jodhpur 2021.

Ian Gimino *(Medical Engineering)* B.S., Carnegie Mellon University 2024.

Jessica Christine Gonzalez *(Applied Physics)* B.S., University of California, Los Angeles 2023; B.S., 2024.

Daniel Harrison Grass *(Physics)* B.A., Northwestern University 2021.

Rajat Gupta *(Space Engineering)* B.Tech., Indian Institute of Space Science and Technology 2025.

Joudi Hajar *(Electrical Engineering)* B.E., American University of Beirut 2020; M.Sc., Swiss Federal Institute of Technology Zurich 2022.

Youngjoon Han *(Physics)* B.S., Korea Advanced Institute of Science and Technology 2019; M.S., 2020.

Tinashe Handina *(Computing and Mathematical Sciences)* B.S.E., Princeton University 2021.

Jonas Bernard Seiderman Hansen *(Electrical Engineering)* A.B., Harvard College 2024.

Zichun Hao *(Physics)* B.S., University of California, San Diego 2023.

Zichang He *(Environmental Science and Engineering)* B.S., Peking University 2024.

Manuel Joseph Holguin *(Biochemistry and Molecular Biophysics)* A.A., East Los Angeles College 2021; B.S., University of California, Irvine 2023.

Qinghan Hou *(Chemistry)* B.Sc., Nankai University 2024.

Madison Ivy Howard *(Physics)* B.S., Texas Tech University 2022.

Tzu-Chi Huang *(Electrical Engineering)* B.S., National Taiwan University 2024.

Michael Yoon Hwang *(Space Engineering)* B.S.E., Princeton University 2025.

Matheo Irazabal *(Electrical Engineering)* B.A., B.S., University of California, Los Angeles 2025.

Yasamin Jalalian *(Applied and Computational Mathematics)* B.Sc., École Polytechnique 2021.

David Alexander Johnson *(Bioengineering)* B.S., Western Washington University 2021.

Wongyo Jung *(Neurobiology)* B.Sc., Korea Advanced Institute of Science and Technology 2021.

Pratyush Kandimalla *(Neurobiology)* B.S., University of California, Los Angeles 2019.

Dhivakar Karthik *(Electrical Engineering)* B.Tech., Indian Institute of Space Science and Technology 2025.

Rio Kawate *(Mechanical Engineering)* B.E., Meiji University 2024.

Batuhan Emre Kaynak *(Applied Physics)* B.Sc., Bilkent University 2020; M.Sc., 2023.

Sanmun Kim *(Applied Physics)* B.A., M.Sc., University of Cambridge 2020.

Sergei Kliavinek *(Materials Science)* B.Sc., Moscow Institute of Physics and Technology 2020; M.Sc., Ecole Polytechnique Federale de Lausanne 2022.

Taylor Ann Knapp *(Physics)* Sc.B., Brown University 2023.

Siying Kong *(Medical Engineering)* B.S., Tsinghua University 2024.

Master of Science continued

César Antonio Lasalde-Ramírez *(Materials Science)* B.S., University of Puerto Rico, Mayagüez Campus 2023.

Tamar Levin *(Space Engineering)* B.Sc., Technion - Israel Institute of Technology 2025.

Maggie Luhua Li *(Astrophysics)* B.A., Cornell University 2024.

Yuelei Li *(Electrical Engineering)* B.Sc., University of California, San Diego 2025.

Ting-Juan Liao *(Planetary Science)* B.S., National Taiwan University 2024.

Amanda Ying Lin *(Mechanical Engineering)* B.S., California Institute of Technology 2018.

Yu-An Lin *(Electrical Engineering)* B.B.A., B.S., National Taiwan University 2023.

Ninghe Liu *(Electrical Engineering)* B.S., Tsinghua University 2024.

Tianwei Liu *(Electrical Engineering)* B.S.E., University of Michigan, Ann Arbor 2024.

Huiwen Lu *(Computing and Mathematical Sciences)* , University of California, San Diego 2023.

Tao Lu *(Physics)* B.S., Peking University 2023.

Derrick Mach Ma *(Mechanical Engineering)* B.S., University of California, Berkeley 2024.

Ashwin Vimal Manur *(Applied Mechanics)* B.S., University of Illinois at Urbana-Champaign 2025.

Jatin Mathur *(Electrical Engineering)* B.S., University of Illinois at Urbana-Champaign 2022.

Merritt Claire McDowell *(Planetary Science)* B.A., New York University 2023.

Simona Jane Miller *(Physics)* B.A., Smith College 2020.

Seokyoung Min *(Social and Decision Neuroscience)* B.A., Yonsei University 2018; M.A., 2020.

Ruth Moorman *(Environmental Science and Engineering)* Ph.B., The Australian National University 2019.

Faraz Mostafaeipour *(Physics)* B.S., University of Nevada, Las Vegas 2021.

Madeline Anne Murphy *(Chemical Engineering)* B.S., University of Minnesota, Twin Cities 2024.

Stephen Joseph Naus *(Physics)* B.Sc., University of Maryland, College Park 2022.

Gyohei Nomura *(Physics)* B.S., Tokyo Institute of Technology 2021.

Richard Anthony Parada *(Applied Physics)* B.S., Stanford University 2023; M.S., 2024.

Soyeon Park *(Geophysics)* B.S.E., Ewha Womans University 2021; M.Sc., Seoul National University 2023.

John Edward Parker *(Applied Physics)* B.S., California Institute of Technology 2024.

Facundo Augusto Pérez Paolino *(Astrophysics)* B.A., Colgate University 2024.

Olivia Quinn Pitcl *(Applied Physics)* B.S., The University of Arizona 2023.

Timothy Nicholas Proudkii *(Physics)* B.S., Virginia Polytechnic Institute and State University 2023.

Mohammaderfan Ramesh *(Electrical Engineering)* B.Sc., Sharif University of Technology 2024.

Rithvik Ramesh *(Electrical Engineering)* B.S., The University of Texas at Austin 2022; B.S., 2023; M.S.E., 2023.

Alexander Javier Ramirez *(Physics)* B.A., B.S., University of California, San Diego 2022.

Master of Science *continued*

Melanie Rodríguez Pabón *(Chemical Engineering)* B.S.H., Stanford University 2024.
Ingrid Kathrine Shan *(Mechanical Engineering)* B.S., University of California, Berkeley 2022.
Cheyanne Shariat *(Astrophysics)* B.S., University of California, Los Angeles 2024.
Yuanbo Shen *(Chemistry)* B.S., University of California, Berkeley 2022.
Rohan Shenoy *(Physics)* B.S., University of California, San Diego 2023.
Myles Bradford Sherman *(Physics)* B.S., Carnegie Mellon University 2021.
Thomas Coulter Sievert *(Physics)* B.Sc., University of California, San Diego 2023.
Xiangkai Sun *(Physics)* S.B., Massachusetts Institute of Technology 2023.
Tirth Dharmesh Surti *(Astrophysics)* B.S., M.S., Stanford University 2024.
Hejun Tang *(Biology)* B.E., Nanjing Tech University 2019; M.S., University of Southern California 2021.
Max Jiacheng Tao *(Applied Physics)* S.B., Massachusetts Institute of Technology 2024.
Marva Tariq *(Chemistry)* B.A., Smith College 2021.
Richard Bing-Shiun Tsai *(Physics)* B.S., École Polytechnique 2021; M.S., 2022.
Timur Ciaran Uyumaz *(Aeronautics)* M.Eng., Imperial College London 2025.
Sara Vanovac *(Physics)* B.S., Furman University 2019.
Jeffrey Daniel Wack *(Physics)* B.S., University of Maryland, College Park 2022.
James B Wang *(Chemical Engineering)* B.S., University of California, Los Angeles 2021.
Ruizhe Wang *(Planetary Science)* B.A., Cornell University 2024.
Yiting Wang *(Electrical Engineering)* B.Eng., Tsinghua University 2024.
Zirui Wang *(Applied and Computational Mathematics)* B.S., University of Illinois at Urbana-Champaign 2024.
Felix Eugen Weber *(Physics)* B.A., Oberlin College 2024.
Colin Michael Weller *(Physics)* B.S., University of Washington 2022.
Sophia Jade Westerkamp *(Geochemistry)* B.S., University of California, Los Angeles 2024.
Delaney Rose White *(Astrophysics)* B.S., The University of Texas at Austin 2022.
Justin Widjaja *(Applied Physics)* B.S., The University of Sydney 2023.
Rebecca Jane Williams *(Planetary Science)* B.A., University of Virginia 2024.
Xiaoxiao Xiong (Physics) B.A.Sc., University of British Columbia 2023.
Wei Xu *(Applied Physics)* B.S., Tsinghua University 2025.
Yingchu Xu *(Electrical Engineering)* B.A., Nanyang Technological University 2023.
Yifei Yan *(Applied Physics)* B.S., University of Science and Technology of China 2023.
Junyang Zhang *(Electrical Engineering)* B.S., University of California, Irvine 2024.
Wanqing Zhang *(Medical Engineering)* B.S., Central South University 2021; M.S., Tsinghua University 2024.

Master of Science *continued*

Wenpeng Zhang *(Electrical Engineering)* B.E., Zhejiang University 2024; B.S., University of Illinois at Urbana-Champaign 2024.

Haimeng Zhao *(Physics)* B.Sc., Tsinghua University 2024.

Albert Zhou *(Mechanical Engineering)* B.S., University of California, Los Angeles 2024.

Tianyi Zhu *(Electrical Engineering)* B.S., University of Illinois at Urbana-Champaign 2024.

Engineer

Sara Anjum *(Materials Science)* B.A., Princeton University 2019; M.S., California Institute of Technology 2022.

Doctor of Philosophy

DIVISION OF BIOLOGY AND BIOLOGICAL ENGINEERING

Enrique Amaya Perez *(Biophysics with a minor in Applied and Computational Mathematics)* B.S., Universidad Autónoma de Nuevo León 2019.
Thesis: Designing Intelligent Agents for Real-Time Experimental Control and Multi-Task Generalization.

Luis Fernando Caldera *(Bioengineering)* B.S., University of California, Berkeley 2018.
Thesis: Engineering Immunological Solutions for Pandemic-Level Threats.

Maria Theresa Natalina Carilli *(Biochemistry and Molecular Biophysics)* B.A., University of Colorado at Boulder 2021.
Thesis: Genetic Interrogation of Expression Regulation.

Duncan Matthew Chadly *(Bioengineering with a minor in Computer Science)* B.A., B.S., University of Colorado at Boulder 2015.
Thesis: High-Resolution Phylogenetic Lineage Recording with CRISPR Base Editors.

Ailene Chan *(Computation and Neural Systems)* B.Sc., The University of Hong Kong 2021.
Thesis: Seeing Beyond Sight: Multisensory Inference under Degraded Visual Input.

Linlin Marieluise Chen *(Bioengineering)* B.A., Wellesley College 2017.
Thesis: A Platform for High Throughput Discovery of Sequence Defined Affinity Reagents.

Yuen Man Kathy Cheung *(Neurobiology)* B.Sc., The Hong Kong University of Science and Technology 2018; M.S., California Institute of Technology 2025.
Thesis: Neural Coding of Fear: From Genes to Brain-wide Dynamics.

Zevin Joseph Condiotte *(Biology)* B.A., Washington University in St. Louis 2018.
Thesis: Cooperative Microbe-Host Carbon Metabolism Drives Drosophila Regenerative Response.

Andrew Tyler DeLaitsch *(Biochemistry and Molecular Biophysics)* B.S., University of Wisconsin-Madison 2017.
Thesis: Antibody Responses to HIV-1 Immunogens and Viruses.

Rongrong Du *(Bioengineering)* B.S., Fudan University 2021.
Thesis: Build Synthetic Circuits at Different Scales.

Bryan Michael Gerber *(Biology)* B.S., University of North Carolina at Chapel Hill 2017.
Thesis: Synthetic Control of the Biological Central Dogma.

Richard Davis Horak *(Microbiology)* B.A., B.S., The University of Texas at Austin 2019.
Thesis: Life in the Slow Lane: Metabolic Rewiring Promotes Bacterial Survival under Oxidative and Reductive Stress.

Jianyi Huang *(Bioengineering)* B.Sc., University of Chinese Academy of Sciences 2019.
Thesis: Construction of Unconstructable DNA Constructs in Synthetic Chassis.

Doctor of Philosophy *continued*

Cameron Richard Jackson *(Neurobiology)* B.S., University of California, Los Angeles 2021.
Thesis: Accessing the Developing Brain: Advancing AAV-Mediated Prenatal Gene Editing in the CNS.

Manisha Kapasiawala *(Bioengineering)* B.S.E., Princeton University 2019.
Thesis: Design Considerations for Synthetic Cells.

Matthieu Francois Kratz *(Bioengineering)* B.S., Imperial College London 2018.
Thesis: Naturally-Inspired Circuits for Microbial Composition Control and Biosensing.

David Antonio Larios Colorado *(Biophysics)* B.S., Universidad Autónoma de Nuevo León 2019.
Thesis: Reverse-Engineering the Programming Logic of Cytoskeletal Dynamics.

Kent Lee Leslie *(Biology)* B.A., Brown University 2014; M.S., 2015.
Thesis: Autophagy Proteins Direct STING Trafficking and Innate Immune Signaling Independently of Canonical Autophagy.

Hongyi Richard Li *(Biophysics)* B.S., Washington University in St. Louis 2017.
Thesis: Acoustically Targeted Gene Delivery for Non-invasive Neuroengineering.

Kejun Li *(Computation and Neural Systems)* B.S., Emory University 2019.
Thesis: User-Aligned and Robust Bipedal Locomotion.

Mikel Lipschitz *(Bioengineering)* B.A., University of Florida 2007; M.Eng., Boston University 2015.
Thesis: SLIM: Stochastic Lineage-Based Iterative Minimization.

Shichen Liu *(Bioengineering)* B.S., Case Western Reserve University 2019.
Thesis: Reconstituting Cellular Intelligence in Nonliving Biomolecular Matter.

Jialiang Lu *(Computation and Neural Systems)* B.Sc., University of Freiburg 2014; M.Sc., Ludwig Maximilian University of Munich 2017.
Thesis: Neural Code for Dynamic Visual Experience in the Primate Brain.

Nicholas Markarian *(Biology)* B.S., University of Southern California 2020.
Thesis: Mixtures of Latent Variable Models for Interpreting Gene Expression Covariation from Pathways to Transcriptomes.

Zachary A Martinez *(Bioengineering)* B.S.A., The University of Texas at Austin 2019.
Thesis: Tokens, Topologies, Taxa: Towards Declarative Biology and Bioengineering.

Anastasiya O. Moiseyenko *(Biology)* B.A., Rutgers, The State University of New Jersey 2017.
Thesis: Gut Microbiota as Modulators and Therapeutic Targets in Parkinson's Disease.

Blade A. Olson *(Bioengineering)* B.A., University of Southern California 2011; M.Eng., Boston University 2019.
Thesis: Synthetic Antigen-Presenting Vesicles for Selective Immunomodulation.

Marion Pang Wan Rion *(Bioengineering)* B.S., The Johns Hopkins University 2020.
Thesis: Deep Profiling of the Single-Cell Proteome.

Doctor of Philosophy *continued*

Tom Stefan Andreas Röschinger *(Biochemistry and Molecular Biophysics)* B.Sc., University of Cologne 2016; M.Sc., 2019.

Thesis: Illuminating the Regulatory Dark Matter of *E. coli* with Massively Parallel Reporter Assays.

Gabriel Luke Salmon *(Bioengineering)* B.A., Oberlin College 2018.

Thesis: To See a World in a Grain of Cells: Statistical Auguries of Nonequilibrium.

Sammy Shaker *(Bioengineering)* B.S., University of Minnesota, Twin Cities 2016; M.Phil., University of Cambridge 2018.

Thesis: 3D Vat Photopolymerization of Microarchitected Magnetic Metal Alloys for Chemotherapy Capture Filters.

Tarun Sharma *(Computation and Neural Systems)* B.E., PES Institute of Technology 2017.

Thesis: Quantifying Insect Behavior Across Scales Using Computer Vision.

Yuelin Shi *(Neurobiology)* B.S., Shanghai Jiao Tong University 2017.

Thesis: The Brain's Second Look: Generative Feedback and Dynamic Coding in Primate Vision.

Arjuna Michael Subramanian *(Biochemistry and Molecular Biophysics)* B.A., Princeton University 2019.

Thesis: Rewriting the Sequence and Structure Rules of Deep Protein Space.

Sabera Talukder *(Neurobiology)* B.S., Stanford University 2018.

Thesis: Beyond Text: The Rudiments of Next Generation Foundation Models.

Tongtong Wang *(Neurobiology)* B.S., Nankai University 2020.

Thesis: The Neural Basis of Brain-Body Communication.

Helen Esther Wexler *(Bioengineering)* B.Arch., Bezalel Academy of Arts and Design 2016; M.S., California Institute of Technology 2020.

Thesis: Algae as a Platform for Sustainable Biocomposites: Process–Structure–Property Relations.

Jonathan Alexander White *(Bioengineering)* B.A., Swarthmore College 2016.

Thesis: Untangling Overlapping Barcodes in Image-Based Spatial Genomics.

Yue Xu *(Computation and Neural Systems)* B.S., Carnegie Mellon University 2019.

Thesis: New Approaches to Characterize Psychological Traits and States.

Changhua Yu *(Bioengineering)* B.S., University of California, Berkeley 2020.

Thesis: Understanding Kinase-substrate Interaction with Deep Learning and High-throughput Scanning.

Raymond J Zhang *(Molecular Biology and Biochemistry)* B.A., Cornell University 2020.

Thesis: Construction of Bacterial Genome Chimeras.

Yameng Zhang *(Neurobiology)* B.A., Columbia University 2019.

Thesis: Neural Circuits Underlying Salt Taste Valence.

Doctor of Philosophy *continued*

Olivia Aoli Zou *(Bioengineering)* B.S., Brandeis University 2019.
Thesis: Engineering DNA Liquids Towards Macroscopic Separation of Biomolecules.

DIVISION OF CHEMISTRY AND CHEMICAL ENGINEERING

Enric Healey Adillon *(Chemistry)* B.S., Boston College 2020.
Thesis: Principles of Proton-Coupled Electron Transfer Mediator Design.

Maria Altshuller *(Biochemistry and Molecular Biophysics)* A.B., Harvard College 2020.
Thesis: Molecular Mechanisms of DNA Interstrand Cross-Link Repair by the Fanconi Anemia Pathway.

Robert Lon Anderson *(Chemistry)* B.S., University of California, Berkeley 2019.
Thesis: Methodological Development and Computational Investigations of Metal-Catalyzed Coupling Reactions.

Jay Park Barbor *(Chemistry)* B.A., Smith College 2015.
Thesis: Transition Metal-Catalyzed Methodologies for the Synthesis of Complex Amide Building Blocks.

Rahuljeet Singh Chadha *(Chemistry)* B.S., Trinity College 2020; M.A., Brown University 2021.
Thesis: Stimulated Raman Imaging for Spatial Metabolomics: From Metabolite Mapping to Cellular Function.

Emily Peijia Chen *(Chemistry)* B.E., State University of New York at Stony Brook 2020.
Thesis: Data-Driven Strategies for the Development of Stereoconvergent Nickel-Catalyzed Cross-Couplings.

Ruby Pengjui Chen *(Chemistry)* B.S., University of Illinois at Urbana-Champaign 2021.
Thesis: Synthesis Of Stereoenriched Polycyclic Scaffolds via Palladium Enolates and Progress Toward the Total Synthesis of *Hypermoin A*.

Adrian Colazo *(Chemistry)* B.S., San Diego State University 2021.
Thesis: Investigating Single-Cell Metabolism with Advanced Stimulated Raman Scattering Microscopy.

Nicholas James Friesenhahn *(Chemical Engineering)* B.S., Georgia Institute of Technology 2021.
Thesis: Computational Design of Protein-Based Biosensors for Nicotine.

Kevin Jaime Gonzalez *(Chemistry)* B.S., Rice University 2020.
Thesis: Strategies and Tactics in Alkaloid Synthesis: Total Synthesis of Strempeliopidine via a Non-Directed Petasis Reaction and Progress Toward the Synthesis of Mitomycin B.

Benjamin Martin Gross *(Chemistry)* B.Sc., Technische Universität Berlin 2018; M.Sc., 2021.
Thesis: The Total Synthesis of (+)-Ineleganolide, the Lycojapomine Alkaloids, and a New Strategy for Radical Deoxygenation.

Doctor of Philosophy *continued*

Nathan Andrew Harper *(Chemistry)* B.S., Emory University 2019.

Thesis: Developing New Methods of Quantum Spectroscopy with Nonlinear Integrated Photonics.

Ángel D. Hernández-Mejías *(Chemistry)* B.S., Universidad de Puerto Rico, Recinto de Río Piedras 2021.

Thesis: Development of Strategies for Nickel-Catalyzed Asymmetric Reductive Cross-Couplings.

Madeline Hope Hicks *(Chemistry)* B.S., Texas A&M University 2019.

Thesis: *In Situ* Spectroscopic Studies of Electrolyte and Organic Film Effects on Electrochemical CO_2 Reduction.

Nicole Juliet Higdon *(Chemistry)* B.S., University of California, Santa Barbara 2017.

Thesis: Development of Ion Conducting Polymer Temperature Sensors.

Chenyu Jiang *(Chemistry)* B.S., University of British Columbia 2020.

Thesis: Tug of War between Epoxidation and Ketonization in Electrochemical Alkene Oxidation: Pulling the Rope for Ketonization.

Channing Klein *(Chemical Engineering)* B.S., University of Minnesota, Twin Cities 2021.

Thesis: Development and Exploration of Electrochemical Cascades for Titanium-Mediated Nitrogen Reduction to Ammonia.

Ravi Goel Lal *(Chemical Engineering)* B.S., University of California, Berkeley 2019.

Thesis: Expanding Enzyme Function Through Data-Guided Evolution.

Wonseok Lee *(Chemistry)* B.S., Korea Advanced Institute of Science and Technology 2020.

Thesis: From Ultrafast Dynamics to Pressure-Induced Transitions: Spectroscopic Studies of Electronic and Structural Responses in Condensed Matter Systems.

Rui Li *(Chemistry)* B.S., Zhejiang University 2020.

Thesis: Efficient Evaluation of Coulomb Interactions for Large-Scale Quantum Chemistry.

Yancheng Li *(Biochemistry and Molecular Biophysics)* B.Sc., University of Toronto 2020.

Thesis: Characterizing the Lipid II Flippase MurJ as an Antibiotic Target.

Yueming Long *(Chemistry)* B.S., Wake Forest University 2020.

Thesis: Data Foundations for Functional Prediction in Enzyme Engineering.

Meng (Stella) Luo *(Chemistry)* B.A., Macalester College 2020; M.S., California Institute of Technology 2024.

Thesis: Polymer Mechanochemistry Using Ultrasound: From Fundamental Reactivity to Controlled Drug Delivery.

Shivansh Mahajan *(Biochemistry and Molecular Biophysics)* B.S., Purdue University 2020.

Thesis: Mechanistic Studies of *ArsA* ATPase and *ArsB* Transporter of the Bacterial Arsenite Efflux System.

Jocelyn L. Mendes *(Chemistry)* B.S., Worcester Polytechnic Institute 2021.

Thesis: Probing Polaron Design Principles in Iron Oxides with Transient Extreme Ultraviolet Spectroscopy.

Doctor of Philosophy *continued*

Farbod Arya Moghadam *(Chemistry)* B.S., University of California, Santa Barbara 2020.
Thesis: Transition Metal Catalyzed Approaches to the Asymmetric Construction of All-Carbon Quaternary Centers.

Cai Tong Ng *(Biochemistry and Molecular Biophysics)* B.Sc., National University of Singapore 2015.
Thesis: Optimizing *Treslin-MTBP* for Cryo-EM Analysis.

Tyler Minh-Hung Nguyen *(Chemistry)* B.S., University of Kansas 2020.
Thesis: Infrared Action Spectroscopy of Biomolecules for Planetary Science Applications.

Ryen Logan O'Meara *(Chemical Engineering)* B.S.E., University of Michigan, Ann Arbor 2021.
Thesis: Towards the Enzymatic Mineralization of Siloxanes.

Skylar Kathleen Osler *(Chemistry)* B.S., University of California, Davis 2017.
Thesis: Elucidating Fundamental Structure-Property Relationships of Naphthopyran Mechanophores.

Levi Daniel Palmer *(Chemistry)* B.S., University of Minnesota, Twin Cities 2020.
Thesis: Nanoscale Spectroscopic Imaging of Carriers and Heat in Photocatalysts.

Ruilin Qian *(Chemistry)* B.S., University of Science and Technology of China 2020.
Thesis: New Regulatory Mechanisms in SRP Targeting Pathway.

Ziyang Qin *(Chemistry)* B.S., University of Science and Technology of China 2020.
Thesis: Expanding the Chemical Space of Nitrene Transferases: Biocatalytic Construction of C-N Bonds.

Katelyn M. Radford *(Biochemistry and Molecular Biophysics)* B.A., University of British Columbia 2013; B.Sc., 2019; M.Sc., University of Oxford 2015.
Thesis: Structural and Functional Characterization of Immune System Proteins Using Crystallography and Single Particle Cryo-EM.

Natasha Daphne Reich *(Chemistry)* B.A., Barnard College 2021.
Thesis: Template-Free Assembly of Three-Dimensional Mesostructures via Polarization Control.

Samir Peter Rezgui *(Chemistry)* B.S., University of Denver 2020.
Thesis: Development of Synthetic Methods to Enable the Synthesis of Pyrroloiminoquinone Alkaloids.

Matthew Salazar *(Chemical Engineering)* B.S., University of California, Santa Barbara 2021.
Thesis: Utilizing Mass Transport To Enhance CO_2 Conversion to Multi-Carbon Products.

Adrian Eduard Samkian *(Chemistry)* B.S., University of California, Berkeley 2019.
Thesis: Total Synthesis of *Hypersampsone M* and Studies of Related Polycyclic Polyprenylated Acylphloroglucinol Systems.

Kimberly Rhian Sharp *(Chemistry)* B.S., Emory University 2020.
Thesis: Efficient Synthetic Transformations Enabled by Group X Catalysis.

Chungkeun Shin *(Chemistry)* B.S., University of California, Berkeley 2021.
Thesis: Reductive C-C Bond Construction Strategies by Samarium and Nickel Catalysis.

Doctor of Philosophy *continued*

Soyoung Shin *(Chemical Engineering)* B.S., University of California, San Diego 2021; M.S., California Institute of Technology 2024.
Thesis: Bioinspired Microfluidic Wearable Sensors for Continuous Sweat Sampling and Metabolic Monitoring.

Christian Santiago Strong *(Chemistry)* B.S., The University of Texas at San Antonio 2021.
Thesis: Enantioselective Reactions of Palladium Enolates and Progress Toward Mitomycin B.

Camila Ariana Suarez *(Chemistry)* B.S., Emory University 2021.
Thesis: The Use of Abiotic Strategies and C-H Functionalization toward Natural Product Total Synthesis and Studies toward CNS-Penetrant Drug Derivatives.

Yan Sun *(Chemistry)* B.S., Southern University of Science and Technology 2020.
Thesis: Expanding Molecular Designs for Mechanochromic Polymers.

Jordan K. Thompson *(Chemistry)* B.S., University of California, Berkeley 2020.
Thesis: Development of a Convergent Fragment Coupling Strategy Toward Grayanane Diterpenoids: Enantioselective Synthesis of *(+)*-Auriculatol A.

Thu Nu Minh Ton *(Chemistry)* A.B., Harvard College 2021.
Thesis: Electrochemical Carboxylation of Aldehydes with CO_2: Mechanistic Insights and Enantioselective Synthesis.

Christian Alexander Totoiu *(Chemical Engineering)* B.S., University of California, Irvine 2019; M.Phil., University of Cambridge 2023.
Thesis: Electron Spin-based Quantum Sensing in Biomolecular Systems.

Alexandros Tsamopoulos *(Chemical Engineering)* Diplom, University of Patras 2019; M.S., California Institute of Technology 2023.
Thesis: Ion Transport and Rheological Behavior in Polymeric Systems.

Samuel Lee Varner *(Chemical Engineering)* B.S., Northwestern University 2020; M.S., California Institute of Technology 2023.
Thesis: Part I: Kinetic Mechanisms and Thermodynamics in Diblock Copolymer Micelles and Part II: Inhomogeneous Thermodynamics of Polar Fluids and Ionic Liquids.

Jason Yang *(Chemical Engineering)* B.S., Yale University 2021.
Thesis: Artificial Intelligence Methods for Enzyme Engineering.

Jee Won Yang *(Chemical Engineering)* B.S., Cornell University 2019; M.S., California Institute of Technology 2023.
Thesis: Engineering Ultrasonic Reporters for Imaging Cellular Enzyme Activity.

Junjie Yang *(Chemistry)* B.S., Nanjing University 2019.
Thesis: Scalable *Ab Initio* Quantum Many-Body Methods for Crystalline Materials.

Alexandre Zheng-Xi Ye *(Chemical Engineering)* B.S., The University of Texas at Austin 2020.
Thesis: Investigations of Metal Oxide Photocathode Protection Layers and Interfacial Charge Transfer Rates on Graphene Electrodes.

Doctor of Philosophy *continued*

Hao Yu *(Chemistry)* B.S., University of British Columbia 2020.
Thesis: The Total Synthesis of Aleutianamine, (–)-Crotonolide D, and (–)-Crotonine G.

Grace Chen Zhang *(Chemistry)* B.A., Washington University in St. Louis 2017.
Thesis: Investigating the Role of a Specific Chondroitin Sulfate Motif in Neuroinflammation and Regeneration.

Jie Zhou *(Chemical Engineering)* B.S., University of Rochester 2019.
Thesis: A Tale of Two Strategies: Evolving and Engineering Biology Across Scales.

DIVISION OF ENGINEERING AND APPLIED SCIENCE

David Joshua Abramovitch *(Applied Physics)* B.A., University of California, Berkeley 2021; M.S., California Institute of Technology 2023.
Thesis: Electron-Phonon Interactions and Electronic Transport in Correlated Metals and Moire Systems.

Alexander Ryan Acosta *(Aeronautics)* B.S., Rice University 2020; M.S., California Institute of Technology 2022.
Thesis: Experiments on Fluid-Structure Coupling under Impinging Shock Wave Loading.

Danil Akhtiamov *(Computer Science)* B.Sc., Saint Petersburg State University 2019; M.Sc., 2021.
Thesis: Universality, Generalization, and Compression in Machine Learning.

Simon R. Anuszczyk *(Aeronautics)* A.S., Woodland Community College 2015; B.S., Columbia University 2019; B.A., 2020; M.S., California Institute of Technology 2022.
Thesis: Robotically Controlled Jellyfish Swimming Dynamics and Energetics for Ocean Exploration.

Alex Eben Ayling *(Electrical Engineering)* B.S., University of Minnesota, Twin Cities 2018; M.S., University of Illinois at Urbana-Champaign 2020.
Thesis: Scalable Arrays from Millimeter-Wave Sensing to Microwave Wireless Power Transfer.

A. Bilgehan Baspinar *(Applied Physics)* B.S., Bilkent University 2020.
Thesis: Multilayer Meta-optics for Next-generation Multifunctional Photonics.

Scott Alexander Bollt *(Aeronautics)* B.S., Cornell University 2020; M.S., California Institute of Technology 2022.
Thesis: Vortex Dynamics of Unsteady Plate Motions.

Alkım Berke Bozkurt *(Electrical Engineering)* B.Sc., Middle East Technical University 2020; M.S., California Institute of Technology 2025.
Thesis: Interfacing Long-Lived Mechanical Oscillators and Superconducting Quantum Circuits.

Steven Patrick Bulfer *(Electrical Engineering)* B.S.E., University of Minnesota, Twin Cities 2020; M.S., California Institute of Technology 2022.
Thesis: Energy Efficient On-Chip Neural Feature Extraction for Brain-Computer-Interfaces.

Edoardo Calvello *(Applied and Computational Mathematics)* M.Sci., Imperial College London 2021.
Thesis: Operator Learning for Inference in Dynamical Systems.

Doctor of Philosophy *continued*

Meital Oshrit Carmi *(Space Engineering)* B.S., University of California, Santa Barbara 2020; M.S., California Institute of Technology 2022.
Thesis: Buckling of Open Cross-Section Deployable Composite Thin Shells with Manufacturing Imperfections.

Alex Takuya Mori Carroll *(Mechanical Engineering)* B.S.E., University of Michigan, Ann Arbor 2020; M.S., California Institute of Technology 2022.
Thesis: Thermochemical Modeling for Giant Planet Entry Flows.

David Spencer Catherall *(Materials Science)* B.S., Oregon State University 2020; M.S., California Institute of Technology 2022.
Thesis: Threads in the Tapestry of Next Generation Nanodevices: Simulation and Thin Film Processing.

Andrew John Charbonneau *(Applied Physics)* A.B., Princeton University 2020; M.S., California Institute of Technology 2022.
Thesis: Advancing Large-Scale Snow Modeling with Data-Driven Parameterizations.

Wenyuan Chen *(Electrical Engineering)* B.S., University of Illinois at Urbana-Champaign 2018; M.S., 2020.
Thesis: Additive Nanofabrication of 3D TiO_2 Metaoptics via Two-Photon Lithography.

Lauren Elaine Conger *(Control and Dynamical Systems)* B.S., Cornell University 2018.
Thesis: Analysis of Large-Scale Systems: Coupled Multispecies Gradient Flows and Distributed Control.

Min Dai *(Mechanical Engineering)* B.S., M.S., University of California, Santa Barbara 2019.
Thesis: From Models to Data: Toward a Unified Framework for Agile and Safe Bipedal Locomotion.

Branson William Davis *(Aeronautics)* B.S., University of California, Irvine 2020; M.S., California Institute of Technology 2022.
Thesis: Autoignition Modeling and a Generalized Hot Surface Ignition Criterion.

Sean Patrick Devey *(Aeronautics)* B.S., University of Alabama 2018; M.S., 2020; M.S., California Institute of Technology 2022.
Thesis: Part I: A Novel Compact Water Tunnel. Part II: Evolution of Delta Wing Surface Contour from Flat Plates to Boxfish at Low Reynolds Numbers.

Akash Sharan Dhawan *(Medical Engineering)* B.S., Rice University 2019; M.S., California Institute of Technology 2023.
Thesis: Hierarchical Assembly of Collagen Type I Using a Photobase Generator.

Berthy Tianyu Feng *(Computing and Mathematical Sciences)* B.S.E., Princeton University 2019.
Thesis: Advancing Scientific Computational Imaging Through Data-Driven and Physics-Based Priors.

Doctor of Philosophy *continued*

Michael James Flynn *(Applied Physics)* B.A., Williams College 2015.
Thesis: Building to Understand MiRNA Circuits.

Rikuto Fukumori *(Applied Physics)* B.A., The University of Chicago 2020; M.S., California Institute of Technology 2023.
Thesis: Collective Interactions in Cavity-Coupled Rare-Earth Ion Ensembles for Quantum Technologies.

Harshkooshal Kamlesh Gandhi *(Electrical Engineering)* B.Tech., Indian Institute of Technology Jodhpur 2021.
Thesis: Deep Stochastic Control for Regime-dependent Utility Maximization Problems.

Angela Fang Gao *(Computing and Mathematical Sciences)* B.S., Carnegie Mellon University 2018.
Thesis: Uncovering Hidden Structure in Data and the Physical World for Seismic Tomography and Beyond.

Ramon Gao *(Applied Physics)* B.Sc., Swiss Federal Institute of Technology Zurich 2015; M.Sc., 2018; M.S., California Institute of Technology 2021.
Thesis: Nanophotonic Lightsail Optomechanics for Long-Range Optical Manipulation and Interstellar Exploration.

David Christopher Garrett *(Medical and Electrical Engineering)* B.Sc., University of Calgary 2016; M.Sc., 2018.
Thesis: Human-Scale Ultrasound, Thermoacoustic, and Photoacoustic Tomography.

Sara Frances Gorske *(Materials Science)* B.S., Cornell University 2020; M.S., California Institute of Technology 2022.
Thesis: *In-Situ* Synchrotron X-ray Studies of Microstructural Effects on Brittle Fracture.

Yiran Gu *(Materials Science)* B.S., University of California, Irvine 2020.
Thesis: Emerging Directions in Active and Multi-layer Meta-optics.

Baris Volkan Gurses *(Electrical Engineering with a minor in Physics)* B.S., Georgia Institute of Technology 2020; M.S., California Institute of Technology 2022.
Thesis: Information Technologies at the Fundamental Physical Limits.

Scott Thomas Philpott Habermehl *(Applied Physics)* B.S., Purdue University 2019; M.S., California Institute of Technology 2022.
Thesis: Towards Analog Computing: An Electronically Reconfigurable Nanoelectromechanical Oscillator Network.

Azmain Abrawr Hossain *(Applied Physics)* B.S., University of California, Los Angeles 2021; M.S., California Institute of Technology 2024.
Thesis: Atomic Layer Processing of Thin Film Superconductors for Quantum Electronics.

Doctor of Philosophy *continued*

Yu Xi Huang *(Electrical Engineering)* B.A., Washington University in St. Louis 2021; M.S., California Institute of Technology 2025.
Thesis: Signal in the Scatter: Advancing Speckle-Based Optical Sensing for Deep Cerebral Blood Flow Monitoring.

Chiyoung Hwang *(Medical Engineering)* B.S., Seoul National University 2010; M.S., 2012.
Thesis: Robust Nanogap Cluster Formation via Plasmonic Moire Superlattices for Surface-Enhanced Raman Spectroscopy.

Muhammad Musab Jilani *(Medical Engineering)* B.S., California Institute of Technology 2015; M.S., 2020.
Thesis: Dynamics of Microfabricated Enzyme Electrodes.

Ivan Dario Jimenez Rodriguez *(Computing and Mathematical Sciences)* B.S., Georgia Institute of Technology 2016; M.S., 2019.
Thesis: Constructive Learning for Agile Underactuated Control.

Gihwan Kim *(Applied Physics)* B.S., Seoul National University 2019; M.S., California Institute of Technology 2022.
Thesis: Tailoring Tunable Interactions in Superconducting Circuits Using Many to No Modes.

Eitan Levin *(Applied and Computational Mathematics)* A.B., Princeton University 2020.
Thesis: Any-Dimensional Data Science: Learning, Optimization, and Sampling.

Jiahong Li *(Medical and Electrical Engineering)* B.S., Wuhan University 2018; M.S., Northwestern University 2019; M.S., California Institute of Technology 2023.
Thesis: Multimodal Implantable Bioelectronics.

Qilin Li *(Electrical Engineering)* B.Eng., The University of Hong Kong 2016; M.S., California Institute of Technology 2018.
Thesis: From Cells to Functional Tissue Units: Scale-Aware Deep Learning for Biological Microscopy Segmentation.

Hao Liu *(Computer Science)* B.S., Nanjing University 2018.
Thesis: Leveraging Structural Uncertainty for Decision Making: From Classical Methods to Foundation Model Agents.

Yao Luo *(Applied Physics)* B.S., Nanjing University 2020; M.S., California Institute of Technology 2024.
Thesis: First-Principles Many-Body Theory of Polarons and Data-driven Compression of Quantum Interactions.

Ying Luo *(Aeronautics)* B.Eng., The University of Sydney 2018; M.S., California Institute of Technology 2020.
Thesis: Near-Wake Structure and Dynamics of a Cylinder in Hypervelocity Flows.

Doctor of Philosophy *continued*

Ioannis Miltiadis Mandralis *(Aeronautics)* B.Sc., École Polytechnique Fédérale de Lausanne 2017; M.Sc., Swiss Federal Institute of Technology Zurich 2020; M.S., California Institute of Technology 2022.
Thesis: Leveraging Aerial Transformation for Enhanced Air-Ground Robotic Mobility.

Hannah Jean Manetsch *(Applied Physics)* B.S., University of Illinois at Urbana-Champaign 2020.
Thesis: Scaling Neutral Atom Tweezer Arrays for Quantum Science.

Daniel Brendan McHaffie *(Materials Science)* B.A.Sc., University of Waterloo 2019; M.S., California Institute of Technology 2023.
Thesis: Computational and Data-Driven Discovery of Li Solid-State Electrolytes: From Representation to Experimental Realization.

Sean Alexander Mendoza *(Aeronautics)* B.S., California Institute of Technology 2017; M.S., 2022.
Thesis: Toroidal Plasmoid Generation via Extreme Hydrodynamic Shear: Optical and Magnetic Studies.

Oren Simon Mizrahi *(Electrical Engineering)* B.S., Duke University 2019; M.S., California Institute of Technology 2021.
Thesis: Flexible Phased Arrays: Challenges and Opportunities.

Elvira Moreno Ferreira *(Computing and Mathematical Sciences)* Ingeniero, Matematica, Universidad de los Andes 2019.
Thesis: Scalable Approximation through Structure: Spectral Methods for Polynomial Optimization and Adaptive Sampling in Kernel Quadrature.

Kevin Hiroshi Keesun Nakahara *(Mechanical Engineering)* B.S., Harvey Mudd College 2020; M.S., California Institute of Technology 2023.
Thesis: Fabrication and Mechanical Characterization of Nano-architected Composites Across Scales and Strain Rates.

André Nicolov *(Applied Physics)* B.S., University of Washington 2019; M.S., California Institute of Technology 2022.
Thesis: A Song of Ice and Plasma: The Formation and Behavior of Ice-Dusty Plasma, from the Laboratory to the Edge of the Universe.

Samir Vahdat Nooshabadi *(Electrical Engineering)* B.S., University of Michigan, Ann Arbor 2019; M.S., California Institute of Technology 2021.
Thesis: Integrated Transceivers from Microwave to Optical: Signals, Systems, and Silicon for Sensing and Communications.

George Arthur Popov *(Space Engineering)* B.A., B.S.E., University of Pennsylvania 2021; M.S., 2021; M.S., California Institute of Technology 2022.
Thesis: Stable Method of Attaching Thin Films to Torsionally Compliant Space Structures.

Doctor of Philosophy *continued*

Sathvik Reddy Sanagala *(Mechanical Engineering)* B.S., University of Illinois at Urbana-Champaign 2020; M.S., California Institute of Technology 2022.
Thesis: Discrete Shell Methods for Stimuli-Responsive and Deployable Structures: Buckling, Bistability, and Topology Optimization.

Samuel K. W. Seah *(Applied Physics)* B.A., University of Cambridge 2017; M.Sc., 2017; M.S., California Institute of Technology 2022.
Thesis: Black Phosphorus Nanodevices for Active Polarization Control.

Elina Maria Sendonaris *(Applied Physics)* S.B., Massachusetts Institute of Technology 2020; M.S., California Institute of Technology 2023.
Thesis: Measuring and Characterizing Ultrafast Quantum States Using Nanophotonic Optical Parametric Amplifiers.

Shawn JiaXiang Sheng *(Electrical Engineering)* B.A.Sc., University of Waterloo 2019; M.S., California Institute of Technology 2020.
Thesis: An Experimental Characterization of Atmospheric Turbulence Effects on Millimeter Wave Propagation in a Controlled Environment.

Yaozhong Shi *(Mechanical Engineering with a minor in Information and Data Sciences)* B.E., Wuhan University 2020; M.S., California Institute of Technology 2022.
Thesis: Generative Modeling of Earthquake Ground Motion.

Jared Frederick George Sisler *(Applied Physics)* B.A.Sc., University of Waterloo 2020; M.S., California Institute of Technology 2022.
Thesis: Electrically Tunable Optical Active Metasurfaces in Space and Time.

Michael Kenneth Elliott Sleeman *(Mechanical Engineering with a minor in Applied and Computational Mathematics)* B.A.Sc., University of British Columbia 2018; M.Sc., University of Toronto 2020; M.S., California Institute of Technology 2023.
Thesis: Nonlinear Disturbance Evolution in Boundary Layers Using the One-Way Navier-Stokes Equations.

Richard Daniel Smith *(Electrical Engineering)* B.S., The George Washington University 2015; M.S., California Institute of Technology 2019.
Thesis: Techniques Toward the Wafer-Scale Fabrication of Enzyme-based Sensors.

Sameer Anil Sonar *(Applied Physics)* B.Tech., Indian Institute of Technology Bombay 2018; M.Tech., 2018; M.S., California Institute of Technology 2023.
Thesis: A High-Efficiency, Low-Noise Platform for Microwave-to-Optical Quantum Transduction.

Divesh Soni *(Space Engineering)* B.Tech., Indian Institute of Space Science and Technology 2016; M.S., California Institute of Technology 2022.
Thesis: Agile Slew Maneuvers of Ultralight Space Structures with Momentum Actuators.

Doctor of Philosophy *continued*

Michael John Stramenga *(Space Engineering)* B.Eng., McMaster University 2020; M.S., California Institute of Technology 2021.
Thesis: Experimental Investigation of Hypervelocity Shock Wave-Boundary-Layer Interactions on a Deflected Control Surface.

Siming Sun *(Electrical Engineering)* B.A.Sc., University of Toronto 2019; M.S., California Institute of Technology 2021.
Thesis: Network Source Coding in Scenarios with Uncertainty at the Decoder.

Amanda Patricia Toledo Barrios *(Space Engineering)* B.S., Worcester Polytechnic Institute 2020; M.S., 2020; M.S., California Institute of Technology 2022.
Thesis: Multiscale Response of Granular Materials under Cyclic Shear: Packing State, Force Chains, and Stress Transmission.

Xin Tong *(Medical and Electrical Engineering)* B.S., Peking University 2019; M.S., California Institute of Technology 2021.
Thesis: Advanced Imaging with Sound and Light: Photoacoustic Tomography and Quantum Microscopy.

Canran Wang *(Medical Engineering)* B.S., Shanghai Jiao Tong University 2020; M.S., California Institute of Technology 2023.
Thesis: Smart Bandages for Chronic Wound Sampling, Monitoring, and Management.

Guanzhi Wang *(Computing and Mathematical Sciences)* B.S., The Hong Kong University of Science and Technology 2019; M.S., Stanford University 2021.
Thesis: Building Foundation Agents with Internet Knowledge and Large Language Models.

Yingjin Wang *(Materials Science)* B.E., Tsinghua University 2020; M.S., California Institute of Technology 2024.
Thesis: Additive Manufacturing and Characterization of Micro-architected Lithium-ion Battery Electrodes.

Yixuan Wang *(Applied and Computational Mathematics)* B.S., Peking University 2020; M.S., California Institute of Technology 2025.
Thesis: Singularity Formation: Synergy in Theoretical, Numerical and Machine Learning Approaches.

Ailec Wu *(Electrical Engineering)* B.S., University of Virginia 2019; M.S., California Institute of Technology 2021.
Thesis: Enabling Technologies and Algorithms for Antenna Arrays.

Zihui Wu *(Computing and Mathematical Sciences)* B.S., Washington University in St. Louis 2020.
Thesis: Learning to Sample in Computational Imaging: Measurement Acquisition and Posterior Estimation.

Doctor of Philosophy *continued*

Christopher Tzong-Ran Yeh *(Computing and Mathematical Sciences)* B.S., M.S., Stanford University 2019; M.M.S., Tsinghua University 2020.
Thesis: Learning Decision-Focused Uncertainty Representations: Theory and Applications in Sustainability.

Kevin Yu *(Materials Science)* B.S., University of California, Berkeley 2015; M.S., California Institute of Technology 2022.
Thesis: Degradation Mechanisms of Oxide Ceramics under Molten Regolith Electrolysis Conditions.

Mert Yuksel *(Applied Physics)* B.S., Bilkent University 2016; M.Sc., 2019; M.S., California Institute of Technology 2022.
Thesis: Interactions of Intrinsic Quantum Defects with a Nanoelectromechanical System.

Michael J. Zellinger *(Computing and Mathematical Sciences)* Sc.B., Brown University 2017.
Thesis: White Elephants and Cash Cows: Economically Wrangling the Zoo of AI Models.

Haowen Zhou *(Electrical Engineering)* M.Sc., University of Dayton 2021; M.S., California Institute of Technology 2024.
Thesis: Synergizing Microscopy, Computation, and Artificial Intelligence to Advance Biomedical Research.

DIVISION OF GEOLOGICAL AND PLANETARY SCIENCES

Hussain Alqattan *(Geology)* B.S., Louisiana State University 2014; M.S., Swiss Federal Institute of Technology Zurich 2020.
Thesis: Quantifying Surface Processes Using Remote Sensing: Accretion in River Deltas and Migration of Barchan Dunes.

Yue Bai *(Environmental Science and Engineering)* B.S., University of California, Los Angeles 2020; M.S., California Institute of Technology 2022.
Thesis: Submesoscale Dynamics in the Upper Ocean: Air–Sea Interactions and Energy Transfers.

Samantha Rose Baker *(Planetary Science)* B.S., The University of Chicago 2021; M.S., California Institute of Technology 2023.
Thesis: Remote Sensing Aqueous Surface Processes on Planets Red and Blue: From Chemical Weathering Mineralogy on Mars to Water Temperature in Alaska's River Corridors.

Amanda Lee Bednarick *(Geochemistry)* B.S., University of Rhode Island 2019; M.S., California Institute of Technology 2022.
Thesis: Ocean-Mantle Interactions through Earth History.

Alexander Clarence Berne *(Geophysics)* B.S., University of Miami 2019; M.S., University of Oxford 2020; M.S., California Institute of Technology 2022.
Thesis: Tidal Dynamics of Laterally Heterogeneous Planetary Bodies.

Doctor of Philosophy *continued*

Makayla Nicole Betts *(Geobiology)* S.M., Massachusetts Institute of Technology 2018.
Thesis: Exploring the Preservation of Biosignatures in Extreme Environments.

Surjyendu Bhattacharjee *(Geochemistry)* B.Sc., Jadavpur University 2017; M.Sc., Indian Institute of Technology Roorkee 2019; M.S., California Institute of Technology 2022.
Thesis: Aqueous Processes across the Solar System: Isotopic Insights from Chondrites and Mars.

Sihe Chen *(Planetary Science)* B.E., National University of Singapore 2020; M.S., California Institute of Technology 2022.
Thesis: Polar Vortices and Aerosols in the Solar System.

Scott Conn *(Environmental Science and Engineering)* M.S., University of Edinburgh 2020; M.S., California Institute of Technology 2022.
Thesis: Interactions between Near-Inertial Waves and Ocean Turbulence.

M. Ryleigh Davis *(Planetary Science)* B.S., The University of Arizona 2017; M.S., Northern Arizona University 2020; M.S., California Institute of Technology 2022.
Thesis: Spectroscopic Characterization of Icy Moon Surfaces: Compositions, Origins, and Implications from Jupiter to Neptune.

Ruolin Deng *(Geology)* B.S., Peking University 2019; M.S., California Institute of Technology 2022.
Thesis: Tracking Cosmic Dust with Extraterrestrial Helium and Neon in Deep-Sea Sediments.

Jiaqi Fang *(Geophysics with a minor in Computational Science and Engineering)* B.S., Peking University 2020; M.S., California Institute of Technology 2022.
Thesis: Bridging Length and Time Scales of Plate Motions and Great Earthquakes.

Juan David Hernández-Montenegro *(Geology)* B.Eng., Francisco José de Caldas District University 2015; B.Sc., National University of Colombia 2016; Magister, 2020; M.S., California Institute of Technology 2023.
Thesis: As on Earth, So on Mars: Magmatic Records of Planetary Evolution.

Shane Kenyon Houchin *(Geology)* B.S., University of California, Los Angeles 2020; M.S., California Institute of Technology 2022.
Thesis: X-ray Absorption Spectroscopy of Uranium in Zircon and The Redox Evolution of the Continental Crust.

Julie Alanna Inglis *(Planetary Science)* B.Sc., McMaster University 2020; M.S., California Institute of Technology 2022.
Thesis: The Origins and Properties of Giant Planets on Extreme Orbits.

Hemani Kalucha *(Geobiology)* S.B., Princeton University 2019; M.Sc., York University 2020; M.S., California Institute of Technology 2022.
Thesis: Geochemistry of Mars and Implications for Organic Carbon Preservation - Observations from Rover Data and Terrestrial Analogs.

Doctor of Philosophy *continued*

Melanie (Oak Arden) Kanine *(Geology)* B.A., Dartmouth College 2020; M.S., California Institute of Technology 2024.

Thesis: A Tale of Two Craters: Reconstructing Mars Paleoenvironment Using Orbital and Rover Data at Endeavour and Jezero.

Abigail May Keebler *(Planetary Science)* B.S., West Chester University 2021; M.S., California Institute of Technology 2023.

Thesis: From Spectra to Mineralogy: a Remote Sensing Approach to Earth's Desert Dust Source Regions.

Yuan-Kai Liu *(Geophysics with a minor in Computational Science and Engineering)* B.S., National Taiwan University 2015; M.Sc., King Abdullah University of Science and Technology 2018; M.S., California Institute of Technology 2021.

Thesis: Space Geodetic Constraints on Plate Motion, Fault Creep, and Megathrust Coupling.

Theresa Clare Marlin *(Geobiology)* B.S., DeSales University 2016; M.S., California Institute of Technology 2022.

Thesis: From Ocean Floor to Stratosphere: Investigating Astrobiologically Relevant Processes and Molecules on Solar System Bodies.

Zachariah Montana Milby *(Planetary Science)* B.A., University of Colorado at Boulder 2013; B.A., 2019; M.S., California Institute of Technology 2023.

Thesis: The Optical Aurora of Jupiter's Galilean Satellites; or, What They Do in the Shadows.

Ruth Moorman *(Environmental Science and Engineering)* Ph.B., The Australian National University 2019.

Thesis: Sources and Sinks of Warm Circumpolar Deep Water on the Antarctic Continental Shelf.

Ronak Nishesh Patel *(Environmental Science and Engineering)* B.S., North Carolina State University 2021; M.S., California Institute of Technology 2023.

Thesis: Understanding Climate Extremes in a Data-Limited World.

Ojashvi Rautela *(Geophysics)* B.A., Macalester College 2019; M.S., California Institute of Technology 2021.

Thesis: Thermo-Mechanical Properties of Earth's Crust and Mantle: From Surface Deformation to Lower Mantle Structures in the Present Day and the Geological Past.

Morgan Laura Saidel *(Planetary Science)* B.S., University of New Hampshire 2020; M.S., California Institute of Technology 2023.

Thesis: Blown Away: Atmospheric Escape from Highly Irradiated Gas Giants.

Korbinian Owen Thalhammer *(Geochemistry)* B.S., University of California, Berkeley 2018; M.S., California Institute of Technology 2023.

Thesis: A Physicochemical Approach to Determining the Functions of Microbial Phenazine Metabolites.

Doctor of Philosophy *continued*

John Dylan Wilding *(Geophysics)* B.A., Columbia University 2017; M.S., California Institute of Technology 2022.

Thesis: Seismological Investigations of the Dynamics of Volcano-Tectonic Interactions.

Oliver David Wilner *(Geology)* B.A., Whitman College 2020; M.S., California Institute of Technology 2023.

Thesis: Fluorinated Granitic Magmas: A Comprehensive Geochemical Study.

Hongmin Yu *(Environmental Science and Engineering)* B.S., The College of William & Mary 2020; M.S., California Institute of Technology 2022.

Thesis: Exploring Atmospheric Autoxidation of Organic Emission from Volatile Chemical Products.

DIVISION OF THE HUMANITIES AND SOCIAL SCIENCES

Jack Field Adeney *(Social Science)* B.A., New York University 2020; M.Phil., University of Cambridge 2021.

Thesis: Experiments in Decision-Making Under Risk and Uncertainty.

Matthew Estes *(Social Science)* A.B., Harvard College 2018; J.D., The University of Chicago 2021.

Thesis: Essays on Law and Economics.

Aniek Geertruida Wilhelmina Fransen *(Social and Decision Neuroscience)* B.Sc., Tilburg University 2017; M.Sc., Maastricht University 2019.

Thesis: Neural Dynamics of Adaptive Value Computation in the Human Brain.

Mitchell Linegar *(Social Science)* B.A., Reed College 2018.

Thesis: On (Mis)Information.

Po Hyun Sung *(Social Science)* B.A., Korea University 2020; M.S., 2022; M.S., California Institute of Technology 2024.

Thesis: Essays on Stochastic Choice.

Qianying Wu *(Social and Decision Neuroscience)* B.S., University of Science and Technology of China 2020.

Thesis: Large-Scale Computational Phenotyping of Social Cognition in Autism.

DIVISION OF PHYSICS, MATHEMATICS AND ASTRONOMY

Léo Borrel *(Physics)* M.S., University of Wisconsin-Madison 2018; M.S., École Centrale de Lyon 2018.

Thesis: Search for Charged Lepton Flavor Violation at the Mu2e Experiment.

Doctor of Philosophy *continued*

Adolfo Sjoberg de Carvalho *(Astrophysics)* B.S., Rice University 2019; M.S., 2020; M.S., California Institute of Technology 2023.

Thesis: A Detailed Study of the Inner Disks of FU Ori Objects and the Star-Disk Boundary.

Himanshu Chaudhary *(Physics)* B.S., M.S., Indian Institute of Science 2020.

Thesis: High-accuracy Binary Black Hole Simulations for LISA.

Chandler Jacob Conn *(Physics)* B.A., Northwestern University 2019; M.S., California Institute of Technology 2023.

Thesis: Tabletop Production and Study of Cold Radioactive Molecules.

Kaustav Kashyap Das *(Astrophysics)* B.S., Indian Institute of Technology Kanpur 2020; M.S., California Institute of Technology 2022.

Thesis: The Faint and the Furious: Probing the Low-Mass End of Core-Collapse Supernovae with the Zwicky Transient Facility.

Ivey Elizabeth Davis *(Astrophysics)* B.S., The University of New Mexico 2020; M.S., California Institute of Technology 2022.

Thesis: A Portrait of the Sun as a Young Star: Studying Space Weather Around Young Suns in the Optical and Radio.

Samantha Isabel Davis *(Physics)* B.S., Stanford University 2019; M.S., California Institute of Technology 2023.

Thesis: Teleportation from Quantum Networks to Traversable Wormholes: The Physics and Technology of Entanglement.

Yufeng Du *(Physics)* B.S., University of Illinois at Urbana-Champaign 2020; M.S., California Institute of Technology 2025.

Thesis: From Dark Matter Searches to the Nature of Gravity: Quantum Sensors in Fundamental Physics.

Ana Isabel Duarte *(Physics)* B.S., University of Washington 2019; M.S., California Institute of Technology 2023.

Thesis: Resolving and Mathematizing Energetic Gradients That Facilitate Cytoskeletal Self-Assembly.

Delaney Anne Dunne *(Astrophysics)* B.Sc., McGill University 2020; M.S., California Institute of Technology 2023.

Thesis: Joint Analysis Techniques for Line Intensity Mapping, with Application to the CO Mapping Array Project.

Catherine Elizabeth Felce *(Physics)* M.Sci., University of Oxford 2020.

Thesis: Biophysical Modeling for Gene Expression and Evolution.

Doctor of Philosophy *continued*

Logan Michael Foote *(Physics)* B.A., University of California, Berkeley 2020.
Thesis: High-Sensitivity Superconducting Detectors for Far-Infrared Space Astrophysics.

Andrew Johannes Graven *(Mathematics)* B.A., Cornell University 2021.
Thesis: Weighted Quadrature Domains and the Faber Transform.

Grigory James Heaton *(Physics)* B.S., California Polytechnic State University, San Luis Obispo 2019; M.S., California Institute of Technology 2024.
Thesis: Toward Reionization: Experimental Techniques for Space-based Observation of the Cosmic Infrared Background.

Mrunmay Milind Jagadale *(Physics)* B.Sc., Chennai Mathematical Institute 2018; M.Sc., 2020.
Thesis: T(M) Theories and Quantum Topology: Enlarged Moduli Spaces, Categorification, and Modularity.

Shruti Jose Maliakal *(Physics)* B.S., M.S., Indian Institute of Science Education and Research, Mohali 2019.
Thesis: From Gaussian to Non-Gaussian Quantum Sensing: Squeezing, Amplification, and Beyond.

Hyunjin Kim *(Physics)* B.Sc., Seoul National University 2019; M.S., California Institute of Technology 2024.
Thesis: From Symmetry Breaking to Superconductivity: Unraveling the Hierarchy of Correlated Phases in Moiré Graphene.

Yakov Yisroel Landau *(Physics)* B.S., State University of New York at Stony Brook 2017.
Thesis: Light Rays Illuminating the Universe.

Jaeha Lee *(Physics)* B.S., Seoul National University 2020.
Thesis: Bootstrapping Universal Asymptotics of Conformal Field Theory via Thermal Effective Action.

Bohan Li *(Physics)* B.S., The Hong Kong University of Science and Technology 2020; M.S., California Institute of Technology 2022.
Thesis: Frequency Stabilization and Frequency Conversion in High-Q Silicon Nitride Microresonators.

Yuxin Lin *(Mathematics)* B.S., University of Notre Dame 2021.
Thesis: The Ring of Modular Forms on a Unitary Shimura Surface.

Zeren Lin *(Physics)* B.S., Peking University 2016; M.S., California Institute of Technology 2025.
Thesis: Spatially Resolved CGM Emission and Evidence for a CGM Main Sequence.

Yue Liu *(Physics)* B.S., Peking University 2019.
Thesis: Measurement-Altered Quantum Criticality.

Doctor of Philosophy *continued*

Simona Jane Miller *(Physics)* B.A., Smith College 2020.
Thesis: Robustly Measuring the Spins of Binary Black Holes with Gravitational Waves.

Kyle Christopher Nelli *(Physics)* B.S., University of Illinois at Urbana-Champaign 2020; M.S., California Institute of Technology 2024.
Thesis: Topics in Numerical Relativity: Horizon Finding, Asynchronous Parallelism, and Cross-Code Comparisons of Gravitational Waveforms.

Akiyoshi Park *(Physics)* B.A., International Christian University 2014; M.S., The University of Tokyo 2016; M.S., California Institute of Technology 2023.
Thesis: Probing Quantum States in Low-Dimensional Materials via Laser-Assisted Scanning Tunneling Microscopy and Structured Light.

Samuel Patrone *(Physics)* B.S., Sapienza Università di Roma 2018; M.S., 2020.
Thesis: Tracing New Physics: From Symmetry to Observation.

Ethan Payne *(Physics)* B.S., Monash University 2020; M.S., California Institute of Technology 2024.
Thesis: Understanding Gravitational Waves and Their Sources: Robust Inference, Tests of Gravity, and Future Prospects.

Sam Bharat Vijay Karthikeyan Ponnada *(Astrophysics)* B.S., The University of Iowa 2020; M.S., California Institute of Technology 2022.
Thesis: On the Non-thermal Physics of Magnetic Fields and Cosmic Rays in Galactic Ecosystems.

Nikolaus Zen Prusinski *(Astrophysics)* B.S., University of Wisconsin-Milwaukee 2020; M.S., California Institute of Technology 2022.
Thesis: The Geometry and Kinematics of Baryonic Feedback.

Rebecca Jasmina Rousseau *(Physics)* B.A., Princeton University 2019.
Thesis: Statistical Physics of Dynamic Self-Organization: From Field-Theoretic Self-Assembly to Allosteric Regulation.

Peter John Scherbak *(Astrophysics)* B.A., Cornell University 2020; M.S., California Institute of Technology 2023.
Thesis: Unstable and Stable Mass Transfer in Stellar Binaries: From Common Envelopes to Circumbinary Outflows.

Myles Bradford Sherman *(Physics)* B.S., Carnegie Mellon University 2021.
Thesis: The Unique Formation and Evolution of Magnetars and Constraining Fast Radio Burst Progenitors with Polarization.

Ina Muggerud Sorensen *(Physics)* M.Eng., University of Oxford 2015; M.Sc., Bournemouth University 2016; M.S., California Institute of Technology 2022.
Thesis: Emergent Behaviors of Electrons in 2D Materials: From Electron Hydrodynamics to Majorana Zero Modes.

Doctor of Philosophy *continued*

Jean Jyoti Somalwar *(Astrophysics)* A.B., Princeton University 2020.
Thesis: Expanding the Landscape of Tidal Disruption Events.

Dongze Sun *(Physics)* B.S., Wuhan University 2020; M.S., California Institute of Technology 2024.
Thesis: Toward LISA-Accurate Binary-Black-Hole Waveforms: Waveform Hybridization and Strong-Field Matching.

Yuiki Takahashi *(Physics)* B.S., Kyoto University 2019.
Thesis: Engineering Field-Insensitive Clock Transitions for Symmetry-Violating New Physics Searches.

Raymond Huy-Tri Tat *(Physics)* B.A., University of California, Berkeley 2019.
Thesis: Spin Dressing.

Chun-Ju Wu *(Physics)* B.S., National Taiwan University 2018; M.S., California Institute of Technology 2023.
Thesis: Engineering Quantum Resources for Quantum Networking using Single Rare-Earth Ions inside Crystals.

Yixin Xu *(Physics)* B.S., Sun Yat-sen University 2020; M.S., California Institute of Technology 2025.
Thesis: Geometric Constraints on CFT-Like Data at Genus 0, 1, and 2.

Jia Yao *(Physics)* B.S., Rice University 2019; M.S., California Institute of Technology 2025.
Thesis: First-Principles Simulation of Nonequilibrium Coupled Electron-Phonon Dynamics: Algorithms, Acceleration, and Coherent Phenomena.

Chi Zhang *(Mathematics)* B.A., Sun Yat-sen University 2020.
Thesis: F-bundles and the Mirror Symmetry of Flag Varieties.

Zhuyun Zhuang *(Astrophysics)* B.S., Nanjing University 2019; M.S., California Institute of Technology 2021.
Thesis: Multi-Element Abundances as Probes of Galaxy Growth Across Cosmic Time.

PRIZES AND AWARDS

Prizes and awards are listed only for those students participating in commencement this year, and include prizes and awards received by them in previous years.

MABEL BECKMAN PRIZE

Given in memory of Mabel Beckman's many years of commitment to Caltech's educational and research programs, this prize is awarded to an undergraduate who, upon completion of their senior year at Caltech, has achieved academic excellence and demonstrated outstanding leadership skills. The prize recognizes an exceptional commitment to supporting the Caltech mission "to expand human knowledge and benefit society through research integrated with education."

2026 Noah Shaffer Hicks, Virginia Hunter Pistilli

FREDERIC W. HINRICHS, JR., MEMORIAL AWARD

This award, established by the Board of Trustees, is in memory of Frederick W. Hinrichs, Jr., who served for more than 20 years as dean and professor at Caltech. In remembrance of his honor, courage, and kindness, the annual award is given to the senior (or seniors) who, throughout their undergraduate years, made the greatest contribution to the student body and whose qualities of character, leadership, and responsibility have been outstanding. At the discretion of the dean, more than one award may be made in any year.

2026 Cecilia Kate Abramson, Mars Arechavala

GEORGE W. HOUSNER PRIZE FOR ACADEMIC EXCELLENCE AND ORIGINAL RESEARCH

This prize is given annually to a senior or seniors in the upper 20 percent of their class who have demonstrated excellence in scholarship and in the preparation of an outstanding piece of original scientific research. The students are selected by the deans and the Undergraduate Academic Standards and Honors Committee. At the discretion of the deans, more than one award may be given in any year. This prize is made possible by a gift from the late George W. Housner, Carl F Braun Professor of Engineering, Emeritus.

2026 Samuel Holland Foxman

MILTON AND FRANCIS CLAUSER DOCTORAL PRIZE

This prize is given to a Ph.D. candidate* whose thesis is judged by a committee of the Faculty Board to exhibit significant new work, ingenuity, and originality, and to have the greatest potential to open new avenues of human thought and endeavor.

2026 Yao Luo

The previous four prizes are announced at the commencement ceremony.

THE FRANK AND ELSIE STEFANKO ADVOCATING CHANGE TOGETHER (ACT) AWARD

This award, administered by the Caltech Y, provides students with the opportunity to learn about a global, national, or local issue by immersing themselves with activists working on a cause.

2025 Tanvi Lakshmi Ganapathy

AMORI DOCTORAL PRIZE IN CMS

Established in 2017 by Michael Amori (MS '07), this prize honors outstanding dissertations in the computing and mathematical sciences during the current academic year. Awardees are selected by a committee of computing and mathematical sciences faculty each spring.

2026 Christopher Tzong-Ran Yeh

CHARLES D. BABCOCK AWARD

Voted on by members of the aeronautics faculty, this award is given to a graduate student whose achievements in teaching or other assistance to students have made a significant contribution to the aeronautics department.

2023 Amanda Patricia Toledo Barrios

2024 Sean Alexander Mendoza

2025 Alexander Ryan Acosta

ROBERT P. BALLES CALTECH MATHEMATICS SCHOLARS AWARD

This award is given to the mathematics major finishing their senior year who has demonstrated the most outstanding performance in mathematics courses completed in the student's time at Caltech.

2026 Samuel Prazeres Goodman

WILLIAM F. BALLHAUS PRIZE

This prize recognizes aeronautics students for outstanding doctoral dissertations.

2026 Amanda Patricia Toledo Barrios, Ying Luo

ERIC TEMPLE BELL UNDERGRADUATE MATHEMATICS RESEARCH PRIZE

This prize is given to one or more juniors or seniors for outstanding original research in mathematics.

2025 Samuel Prazeres Goodman

THE BHANSALI FAMILY DOCTORAL PRIZE IN COMPUTER SCIENCE

Established in 2018 by Vineer Bhansali (B.S. '87, M.S. '87) in memory of his grandfather, Mag Raj Bhansali, this prize is given to honor outstanding dissertations in computer science, broadly defined, during the current academic year. Awardees are selected by a committee of computer science faculty each spring.

2026 Danil Akhtiamov

AMASA BISHOP SUMMER STUDY ABROAD PRIZE

This prize is given to one or more first-year, second-year, or third-year students to fund summer study abroad in an organized program with the aim of gaining exposure to foreign language and international issues or cultures, including global issues in the sciences and engineering.

2023 Yingying Gong, Andrew Henry Zabelo

2024 Kevin Cai

2026 Camilla Maria Power

RICHARD G. BREWER PRIZE IN PHYSICS

This prize recognizes a first-year student with the most interesting solutions to the Physics 11 "hurdles," demonstrating intellectual promise and creativity at the very beginning of their Caltech education.

2023 Pritvik Sinhadc

ROLF D. BUHLER MEMORIAL AWARD IN AERONAUTICS

This award is given to an aeronautics student for outstanding academic achievement in the master's program.

2026 Jamie Gail Carpenter

FRITZ B. BURNS PRIZE IN GEOLOGY

This prize is given to an undergraduate who has demonstrated both academic excellence and great promise of future contributions in the fields represented by the Division of Geological and Planetary Sciences.

2025 Elin Anna Yvonne Stenmark

THE CALTECH Y RISE SERVICE AWARD

Established in 2021, the Caltech Y Rise Service Award recognizes exceptional service provided by Rise Program tutors. This award highlights the dedication and outstanding contributions of individuals who exemplify the Caltech Y's commitment to service.

2026 *Carlos Daniel Olivas*

THE W. P. CAREY & CO. PRIZE IN APPLIED MATHEMATICS

Established by William P. Carey and W. P. Carey & Co., Inc., this prize is awarded to outstanding doctoral dissertations in applied mathematics in the current academic year. Awardees are selected by a committee of applied mathematics faculty.

2026 *Eitan Levin, Yixuan Wang*

BONNIE CASHIN PRIZE FOR IMAGINATIVE THINKING

Awarded annually, this prize is given to the entering first-year who wrote the most imaginative essays in the application for their first-year admission.

2023 *Kieran Giovanni Vlahakis*

THE CCID ACTIVIST SCHOLAR AWARD

This award is given to individuals who demonstrated excellence within their discipline and research while engaging in complex societal issues. These awardees have led or participated in advocacy campaigns centering on ensuring fairness, developed programs or activities expanding opportunities, and provided vision and leadership in forming systems of support for everyone.

2022 *Levi Daniel Palmer*

2024 *Natasha Daphne Reich*

THE CCID AGENT OF CHANGE AWARD

This award is given to individuals embodying servant leadership through a demonstrated commitment to steering institutional change within the Caltech community. These awardees take the initiative and have the vision to translate a need into actionable steps or policy to create a legacy and a more inclusive campus climate.

2025 *Mars Arechavala*

2026 *Sanvi Pal*

CENTENNIAL PRIZE FOR THE BEST THESIS IN MECHANICAL AND CIVIL ENGINEERING

This prize, awarded annually to a Ph.D. candidate in applied mechanics, civil engineering, or mechanical engineering, is given to a student whose doctoral thesis is judged to be the most original and significant by a faculty committee appointed annually by the executive officer for mechanical and civil engineering. This prize was established with gifts from alumni following the Mechanical Engineering Centennial Celebration in 2007.

2026 Michael Kenneth Elliott Sleeman

RICHARD BRUCE CHAPMAN MEMORIAL AWARD

This award is given to a graduate student in hydrodynamics who has distinguished themselves in research in the Division of Engineering and Applied Science.

2026 Alex Takuya Mori Carroll

BEN P.C. CHOU DOCTORAL PRIZE IN IST

This prize recognizes outstanding doctoral dissertations in the broad area of information science and technology. The prize was established by Ben P.C. Chou's wife, June, and his son, Scott (B.S. '86), as a lasting tribute to his lifetime dedication to the pursuit of scholarly research and foregoing personal gain in favor of always doing the right thing for society.

2026 Lauren Elaine Conger

ROBERT F. CHRISTY PRIZE FOR AN OUTSTANDING FIRST-YEAR IN PHYSICS

This prize is awarded annually to a first-year who has demonstrated excellence in physics. Established in 2018, this prize honors the memory of Robert F. Christy, former provost and professor of theoretical physics at Caltech.

2023 Hannah Ada Marie Rose, Pritvik Sinhadc, Shrishti Pankaj Kulkarni

ROBERT F. CHRISTY PRIZE FOR AN OUTSTANDING DOCTORAL THESIS IN THEORETICAL PHYSICS

This prize is given annually to a student who has produced an outstanding thesis in theoretical physics. Established in 2018, this prize honors the memory of Robert F. Christy, former provost and professor of theoretical physics.

2026 Mrunmay Milind Jagadale

DONALD S. CLARK MEMORIAL AWARD

This award is given to two juniors in recognition of service to the campus community and academic excellence. Preference is given to students in the Division of Engineering and Applied Science and to those in chemical engineering. The award honors the work of Professor Clark, class of 1929, both in the field of engineering and in his service to the Alumni Association.

2025 Noah Shaffer Hicks, Emma Jeanne Olinger

CMS AND IST GRADIENT FOR CHANGE AWARD

The CMS and IST Gradient for Change Awards honor students, postdocs, staff, and faculty in the Caltech community who demonstrate exceptional efforts to make Caltech and/or the broader scientific community a more diverse, equitable, and inclusive environment. The awards recognize and highlight individual contributors or small teams who are considered agents of change, community leaders, and/or allies to historically marginalized groups in the information sciences, including computer science, applied mathematics, and beyond.

2025 Tinashe Handina

DONALD COLES PRIZE IN AERONAUTICS

This prize is given to the graduating Ph.D. student in aeronautics whose thesis displays the best design of an experiment or the best design for a piece of experimental equipment.

2026 Alexander Ryan Acosta, Scott Alexander Bollt

FRANCE A. CÓRDOVA GRADUATE STUDENT FUND

This fund provides resources for one to three graduate students annually to support research-related expenses. Each awardee shall be recognized as either a Neugebauer, Garmire, or Tombrello Scholar. Preference shall be given to students studying broadly in areas in which professors Gerry Neugebauer, Gordon Garmire, and Thomas Tombrello made contributions.

2023 Chandler Jacob Conn, Tombrello Scholar

2024 Adolfo Sjoberg de Carvalho, Neugebauer Scholar
Jean Jyoti Somalwar, Garmire Scholar

2025 Daniel Harrison Grass, Tombrello Scholar
Yuiki Takahashi, Tombrello Scholar

JAMES A. CULLEN MEMORIAL FELLOWSHIP FUND

This memorial fund is awarded annually to a graduate student or students who have demonstrated outstanding academic achievement in physics.

2020 *Yue Liu*

2021 *Jaeha Lee, Samuel Patrone*

2024 *Simona Jane Miller*

2025 *Samantha Isabel Davis*

DEANS' CUP

This award is presented to undergraduates whose concern for their fellow students has been demonstrated by their persistent efforts to improve the quality of undergraduate life and by effective communication with members of the faculty and administration.

2025 *Ritvik Sai Teegavarapu*

DEMETRIADES-TSAFKA-KOKKALIS PRIZE IN BIOTECHNOLOGY OR RELATED FIELDS

This prize, awarded annually, recognizes a Ph.D. candidate for the best thesis, publication, or discovery in biotechnology or related fields at the Institute in the preceding 12 months. This prize is made possible by a gift from Anna Kokkalis Demetriades and Sterge T. Demetriades (Eng. '58).

2026 *Marion Pang Wan Rion*

DEMETRIADES-TSAFKA-KOKKALIS PRIZE IN BENIGN RENEWABLE ENERGY SOURCES OR RELATED FIELDS

This prize, awarded annually, recognizes a Ph.D. candidate for the best thesis, publication, discovery, or related efforts in benign renewable energy sources or related fields at the Institute in the preceding 12 months. This prize is made possible by a gift from Anna Kokkalis Demetriades and Sterge T. Demetriades (Eng. '58).

2026 *Christopher Tzong-Ran Yeh*

DEMETRIADES-TSAFKA-KOKKALIS PRIZE IN NANOTECHNOLOGY OR RELATED FIELDS

This prize, awarded annually, recognizes a Ph.D. candidate for the best thesis, publication, or discovery in nanotechnology or related fields at the Institute in the preceding 12 months. This prize is made possible by a gift from Anna Kokkalis Demetriades and Sterge T. Demetriades (Eng. '58).

2026 *Ramon Gao*

CONSTANTIN G. ECONOMOU MEMORIAL PRIZE

This prize is awarded to a chemical engineering graduate student distinguished by outstanding research accomplishments and exemplary attitude while fulfilling candidacy requirements for the Ph.D. degree.

2020 *Ravi Goel Lal*

2021 *Samuel Lee Varner*

EVERHART DISTINGUISHED GRADUATE STUDENT LECTURER AWARD

This award recognizes graduate students for their exemplary presentation skills and research ability. Awardees participate in the Everhart Lecture Series, a forum that is meant to encourage interdisciplinary interaction among graduate students and faculty, and to share ideas about recent research developments.

2025 *Scott Conn, Arjuna Michael Subramanian*

2026 *M. Ryleigh Davis*

DORIS EVERHART SERVICE AWARD

This award is given annually to an undergraduate who has actively supported and willingly worked for organizations that enrich not only student life but also the campus and/or the community as a whole, and who has, in addition, exhibited care and concern for the welfare of students on a personal basis. The award was established in 1999 by Martin and Sally Ridge in honor of Doris Everhart.

2023 *Bertha Alicia Mireles Cisneros*

2025 *Elin Anna Yvonne Stenmark*

2026 *Isara Euguenia Cisneros*

LAWRENCE L. AND AUDREY W. FERGUSON PRIZE

The Ferguson prize is awarded to the graduating Ph.D. candidate in biology and biological engineering who has produced the outstanding doctoral thesis for the past year.

2026 *Tongtong Wang*

RICHARD FEYNMAN PRIZE IN THEORETICAL PHYSICS

This prize is awarded to a senior on the basis of excellence in theoretical physics.

2026 *Stavros Klaoudatos, Avinash Vadali*

HAREN LEE FISHER MEMORIAL AWARD IN JUNIOR PHYSICS

This recognizes a third-year physics major who demonstrates the greatest promise of future contributions in physics.

2025 *Stavros Klaoudatos, Giulia Murgia, Avinash Vadali*

HENRY FORD II SCHOLAR AWARD

This award recognizes either the engineering students with the best academic record at the end of the third year of undergraduate study or the engineering students with the best first-year record in the graduate p rogram.

2025 *Parthorn Ammawat, Brady Stulp Bhalla, Kevin Cai, Kyle Yu Chen, Emily Xiaoxuan Gu, Hana Hisamune, Daniel Peter Khalil, Mikhail Mints, Siddhartha Mohan Ojha, Aaban Ali Syed, Jingtong Sun, Ritvik Sai Teegavarapu, Vansh Vinaykumar Tibrewal Elizabeth Jiho Won, Olivia Le Yi Xu*

2026 *Daniel Peter Khalil*

JACK E. FROEHLICH MEMORIAL AWARD

This award, established by the family and friends of the late Jack E. Froehlich (B.S. ’47, M.S. ’48, Ph.D. ’50), who did his undergraduate and graduate work at Caltech and was later the project manager for Explorer I for the Jet Propulsion Laboratory, provides an award to one or two juniors in the upper 5 percent of their class who show outstanding promise for a creative professional career. The recipients are selected by the deans and the Undergraduate Academic Standards and Honors Committee.

2025 *Kyle Yu Chen, Akshar Dharmasanam Ramkumar*

BARRY M. GOLDWATER SCHOLARSHIP

This scholarship program honoring Senator Barry Goldwater was designed to foster and encourage outstanding students to pursue careers in the fields of mathematics, the natural sciences, and engineering. The Goldwater Scholarship is the premier undergraduate award of its type in these fields.

2025 *Kyle Yu Chen*

GPS AWARD FOR ACADEMIC EXCELLENCE IN RESEARCH

Awarded to a GPS graduate student for outstanding research achievements.

2025 *Yue Bai, Alexander Clarence Berne*

2026 *M. Ryleigh Davis, Ruth Moorman*

GRADUATE DEAN'S AWARD

This award is given to a Ph.D. candidate or candidates who, throughout their graduate study at the Institute, have made great contributions to graduate life and whose qualities of leadership and responsibility have been outstanding.

2026 Camila Ariana Suarez

GEORGE W. AND BERNICE E. GREEN MEMORIAL PRIZE

This prize, awarded annually, recognizes an undergraduate student in any class for original research, an original paper or essay, or other evidence of creative scholarship beyond the normal requirements of specific courses. The student is selected by the deans and the Undergraduate Academic Standards and Honors Committee.

2025 Pritvik Sinhadc

2026 Ritvik Sai Teegavarapu

DAVID M. GRETHER PRIZE IN SOCIAL SCIENCE

The prize rewards outstanding performance and creativity by a Caltech undergraduate who completes one of the social science options. The prize was established by Susan G. Davis in recognition of David M. Grether's contributions to econometrics and experimental economics and his service to the Division of the Humanities and Social Sciences. The prize is awarded annually by a committee of social science faculty.

2026 Siddhartha Mohan Ojha

THE CALTECH Y LUCY GUERNSEY AWARD

This award recognizes graduate and undergraduate students who have provided exceptional service to the Caltech Y and/or the community. Recipients are selected based on their active involvement in Caltech Y service projects, demonstrated leadership in community and volunteer service efforts, and a strong spirit of service.

2024 Nicholas James Friesenhahn, Cai Tong Ng

ALEXANDER P. AND ADELAIDE F. HIXON PRIZE FOR WRITING

The Hixon Prize for Writing was established in 2000 by Alexander P. and Adelaide F. Hixon. The prize is awarded annually to an undergraduate student for the best composition in a first-year humanities course. The prize is administered by the writing center, and the winner is chosen by a committee from the humanities division.

2023 Vansh Vinaykumar Tibrewal

HANS G. HORNUNG PRIZE

This prize is awarded for the best oral Ph.D. defense presentation by a student advised by aerospace faculty. The decision is made by a committee of students who attend all thesis presentations for the year.

2026 *Ioannis Miltiadis Mandralis*

THE HOUSES AND RESIDENCES IDEA AWARD

The Houses and Residences IDEA Award celebrates exceptional individuals who excel in fostering a vibrant and inclusive environment within the Houses and Residences. Their unwavering commitment ensures that each resident feels a deep sense of belonging and support. These leaders drive positive transformation by nurturing inclusive dialogues and instilling a strong sense of community through their advocacy. Through their efforts, they create an environment where everyone can flourish in Houses and Residences.

2024 *Lauren Nia Pryor*

2025 *Oluwatamilore Oluwasikemi Soyebo*

THE CALTECH Y PATRICK HUMMEL AND HARRY GRAY TRAVEL FUND

Initiated by the Hummel Family to honor Harry Gray, Caltech's Arnold O. Beckman Professor of Chemistry and founding director of the Beckman Institute, this award was established through a generous joint gift from Carla and Paul Hummel, Patrick Hummel, and Shirley and Harry Gray. The fund supports student travel opportunities that promote professional and leadership development while broadening students' perspectives as engaged, responsible citizens of the world.

2023 *Ailene Chan*

2024 *Shrishti Pankaj Kulkarni*

2025 *Elina Maria Sendonaris*

2026 *Tanvi Lakshmi Ganapathy, Claire Liu Hays, Levi Daniel Palmer, Jasmine Sa Wang*

IDEA (INCLUSION, DIVERSITY, EQUITY, AND ACCESSIBILITY) ALLYSHIP & ADVOCACY AWARD

This award is given to individuals who promote the needs and experiences of all members of the Caltech community. Such actions include raising awareness, cultivating an inclusive environment, and advocating for a fair campus climate.

2024 *Marva Tariq*

2025 *Mario Alexander Solis*

ISP INTERNATIONAL IMPACT AWARD

This award recognizes students who have made important contributions to celebrate and to support a diverse and thriving international community at Caltech. Established in 2021 by International Student Programs, this award honors exceptional individuals who have made sustained and deep contributions to the mission of international and cross-cultural exchange and to the betterment of the international student experience at Caltech and beyond. This award was made possible through generous donations by Dr. Hugh Kendrick (MS '62), who journeyed across the Atlantic on the Queen Mary from England to New York before boarding a prop plane to Los Angeles to begin studies at Caltech. Dr. Kendrick's commitment to Caltech's thriving international community is greatly appreciated.

2026 Ina Muggerud Sorensen

RICHARD H. JAHNS TEACHING AWARD

The Richard H. Jahns Teaching Award is given in recognition of outstanding achievement as a graduate teaching assistant. Dick Jahns got his B.S. and Ph.D. in Geology from Caltech and from 1946–1960 was faculty here. He was known for giving superb lectures, legendary field trips, and spending long hours mentoring students. Dick said, "The most exciting and rewarding aspect of teaching is seeing already able young people come alive intellectually and seeing the emergence in them of a basic drive, enthusiasm, and enjoyment."

2024 Oliver David Wilner

2025 Zachariah Montana Milby

2026 Rebecca Jane Williams

BIBI JENTOFT-NILSEN MEMORIAL AWARD

Family and friends of Bibi Jentoft-Nilsen, class of 1989, have provided this award in her memory. This award recognizes a junior or senior who exhibits outstanding qualities of leadership and who actively contributes to the quality of student life at Caltech.

2026 Shrishti Pankaj Kulkarni

SCOTT RUSSELL JOHNSON PRIZE FOR EXCELLENCE IN GRADUATE STUDIES

This prize is awarded to continuing graduate students for excellence and extraordinary progress in research and/or excellence in teaching in mathematics.

2024 Yuxin Lin

2025 Andrew Johannes Graven

SCOTT RUSSELL JOHNSON PRIZE FOR EXCELLENCE AS A FIRST-YEAR GRADUATE STUDENT

This prize rewards excellence in first-year graduate research in mathematics.

2022 *Yuxin Lin*

SCOTT RUSSELL JOHNSON GRADUATE DISSERTATION PRIZE IN MATHEMATICS

This prize is awarded for the best graduate dissertation in mathematics.

2026 *Yuxin Lin*

2026 *Andrew Johannes Graven*

KALAM PRIZE FOR AEROSPACE ENGINEERING

This prize, made possible by Dr. Abdul Kalam, the 11th president of India and an aerospace engineer, is awarded to a student in the aerospace engineering master's program whose academic performance was exemplary and who shows high potential for future achievements at Caltech.

2026 *Rajat Gupta, Michael Yoon Hwang*

D. S. KOTHARI PRIZE IN PHYSICS

This prize is awarded to a graduating senior in physics who has produced an outstanding research project during the year.

2026 *Shrishti Pankaj Kulkarni*

MARGIE LAURITSEN LEIGHTON PRIZE

This prize is awarded to one or two undergraduate students who have completed their sophomore year and are majoring in physics or astrophysics, and who have demonstrated academic excellence.

2024 *Diya Tulasi Kumar, Giulia Murgia*

MARI PETERSON LIGOCKI '81 MEMORIAL AWARD

This award is given to a student who has improved the quality of student life at Caltech through their personal character. It recognizes the student who provides quiet support and kind encouragement to peers. This fund was established by Mr. Jose F. Helu Jr. (B.S. '79) to honor the memory of Mari Peterson Ligocki, who possessed these qualities.

2026 *Emma Jeanne Olinger*

GORDON MCCLURE MEMORIAL COMMUNICATIONS PRIZE

This prize is awarded to undergraduate students demonstrating excellence in written and oral communication. Awards are given in the following fields: English, history, and philosophy.

2025 *Luke Theodore Kottom, Elizabeth Jiho Won*

2026 *Qianhui Hong*

THE HERBERT NEWBY MCCOY AWARD

This award is given to one or more chemistry doctoral students for outstanding contributions to the science of chemistry.

2026 *Christian Alexander Totoiu*

MARY A. EARL McKINNEY PRIZE IN LITERATURE

The Mary A. Earl McKinney Prize in Literature was established in 1946 by Samuel P. McKinney, M.D., of Los Angeles. Its purpose is to promote proficiency in writing. The terms under which it is given are decided each year by the literature faculty. It may be awarded for essays submitted in connection with regular literature classes or awarded on the basis of a special essay contest.

2023 *Darleine Abellard*

2024 *Domani S Sharkey*

2025 *Sreeyutha Ratala*

2026 *Bram Winter Schork*

MECHANICAL ENGINEERING AWARD

This award recognizes a B.S. candidate in mechanical engineering whose academic performance has demonstrated outstanding original thinking and creativity, as judged by a faculty committee appointed each year by the executive officer for mechanical engineering.

2026 *Kyle Yu Chen*

MERCK INDEX AWARD

This award is given to one or more graduating students who have demonstrated outstanding achievement in the field of chemistry.

2025 *Ethan Nicholas Lin*

2026 *Madelyn Skye Gilbert, Bao Nguyen*

NEW HORIZONS AWARD

With the New Horizons Award, the Division of Engineering and Applied Science annually recognizes and honors individuals within the EAS community who have actively contributed to our goal to be a diverse, equitable, and inclusive engineering community. The award is available to members of the EAS community, including current students, postdoctoral scholars, staff, and faculty, whose activities have impact and may include demonstrated leadership, advocacy and community organizing, development of equity and inclusion resources, and engagement in engineering outreach to local schools or communities.

2025 *Mars Arechavala*

2026 *Rupali Batta*

PARK S. NOBEL PRIZE FOR EXCELLENCE IN BIOLOGY AND BIOLOGICAL ENGINEERING

This prize recognizes one or two undergraduate students demonstrating outstanding achievements within the Division of Biology and Biological Engineering at Caltech.

2026 *Emma Jeanne Olinger*

ROBERT L. NOLAND LEADERSHIP AWARD

This award is given to one or more undergraduate students who exhibit qualities of outstanding leadership, which are most often expressed as personal actions that have helped other people and that have inspired others to fulfill their capabilities. The scholarship was set up by Ametek in 1978 in honor of its president, Robert L. Noland (BS '41), a Caltech alumnus.

2026 *Rupali Batta, Sujay Champati, Shrujana Srinivasan Kunnam, Ashlyn Mary Roice*

RODMAN W. PAUL HISTORY PRIZE

The Rodman W. Paul History Prize was established in 1986 by some of his many colleagues and friends to honor Professor Paul's 35 years of teaching and research at the Institute. The prize is awarded annually to a junior or senior who has shown unusual interest in and talent for history.

2025 *Mia Sofia Mutadich*

DR. NAGENDRANATH REDDY BIOLOGICAL SCIENCES THESIS PRIZE

The Reddy prize is awarded to the graduating Ph.D. candidate in the Division of Biology and Biological Engineering who has produced the outstanding thesis in the biological sciences or bioengineering for the past year.

2025 *Yameng Zhang*

HERBERT J. RYSER MEMORIAL SCHOLARSHIP

This scholarship is awarded to undergraduate students for academic excellence, preferably in mathematics.

2024 *Akshar Dharmasanam Ramkumar*

2025 *Samuel Prazeres Goodman, Guanxi Li, John Griffith Mattson*

RICHARD P. SCHUSTER MEMORIAL PRIZE

This prize is awarded to one or more third-year or fourth-year students in chemistry or chemical engineering on the basis of financial need and academic promise.

2026 *Aadarsh Balaji, Ethan Nicholas Lin, Virginia Hunter Pistilli*

ERNEST E. SECHLER MEMORIAL AWARD IN AERONAUTICS

This award recognizes an aeronautics student who has made the most significant contribution to the teaching and research efforts of GALCIT (Graduate Aerospace Laboratories of the California Institute of Technology). Preference is given to students working in structural mechanics.

2022 *Michael John Stramenga*

2024 *Sean Alexander Mendoza*

RENUKA D. SHARMA AWARD

This award recognizes a second-year chemistry major for outstanding performance as a first year.

2024 *Aadarsh Balaji*

C. S. SHASTRY PRIZE

This prize is awarded to a second-year Ph 11 alumnus, majoring in physics, to provide support for a summer research project conducted at Caltech. The winner is chosen based on passion, curiosity, and demonstrated ability.

2024 *Shrishti Pankaj Kulkarni*

HALLETT SMITH PRIZE

The Hallett Smith Prize was established in 1997 to commemorate Professor Smith's long career as one of this century's most distinguished Renaissance scholars. The cash prize is given annually by the English faculty to the student who writes the best essay on English literature.

2024 *Shrishti Pankaj Kulkarni*

JOHN STAGER STEMPLE MEMORIAL PRIZE IN PHYSICS

This prize is awarded annually to a graduate student in physics for outstanding progress in research as demonstrated by an excellent performance on the oral Ph.D. candidacy exam.

2023 *Hyunjin Kim, Yuiki Takahashi*

2026 *Xiangkai Sun*

R. BRUCE STEWART PRIZE FOR EXCELLENCE IN TEACHING

This prize is awarded annually to a graduate teaching assistant in physics who demonstrates, in the broadest sense, unusual ability, creativity, and innovation in undergraduate and graduate classroom or laboratory teaching.

2024 *Mrunmay Milind Jagadale*

THE CALTECH Y PAUL STUDENSKI MEMORIAL AWARD

This travel grant is awarded to a Caltech undergraduate who finds themselves at a crossroads and would benefit from time away from the academic community to gain a deeper understanding of themselves and their future plans.

2025 *Raaghav Malik*

2026 *Chi Anh Hoang, Anya Bruna Mischel*

STUDENT AND FAMILY ENGAGEMENT (SFE) AWARDS

These awards recognize student leaders who have made a significant impact on the Caltech community by demonstrating their efforts to improve the quality of campus life by displaying effective communication with Caltech administration and their peers. These leaders can be at any student level or within a team and are determined by and at the discretion of the Office of Student and Family Engagement. The Office of Student and Family Engagement has presented awards such as: Emerging Leader Award, Outstanding Leadership Award, Outstanding Engagement - Student Club/ Organization Award, and Outstanding Team Award.

2024 *Shrishti Pankaj Kulkarni, Office of Student Experience Emerging Leader Award*

2025 *Mars Arechavala, Outstanding Leadership*
Ethan Louis Labelson, Outstanding Leadership
Matthew Ryan Casertano, Outstanding Leadership

2026 *Elisa S Grillo, Outstanding Leadership*

THREE MINUTE THESIS

Originally conceived by the University of Queensland and jointly sponsored by the Caltech Library and the Graduate Studies Office, the Three Minute Thesis (3MT®) competition challenges Caltech graduate students to explain their research in an engaging and clear three-minute talk intended for a non-specialist audience.

2026 *Samantha Rose Baker, Third Place*

THOMAS A. TISCH PRIZE FOR GRADUATE TEACHING IN COMPUTING AND MATHEMATICAL SCIENCES

The Graduate Teaching in CMS Awards were established in 2016 with a gift from Microsoft and then endowed through the generosity of Thomas A. Tisch (BS '61). The prize and honorarium are awarded to a graduate student for outstanding teaching and course development in computing and mathematical sciences. Awardees are selected by a committee of CMS faculty members.

2021 *Qilin Li*

2022 *Eitan Levin*

2023 *Christopher Tzong-Ran Yeh*

2025 *Elvira Moreno Ferreira*

2026 *Harshkooshal Kamlesh Gandhi*

THOMAS A. TISCH PRIZE FOR UNDERGRADUATE TEACHING IN COMPUTING AND MATHEMATICAL SCIENCES

The Undergraduate Teaching in CMS Awards were established in 2016 with a gift from Microsoft and then endowed through the generosity of Thomas A. Tisch (BS '61). The prize and honorarium are awarded to an undergraduate student for outstanding teaching and course development in computing and mathematical sciences. Awardees are selected by a committee of CMS faculty members.

2025, 2026 *Ritvik Sai Teegavarapu*

MORGAN WARD PRIZE

This prize is awarded to a first-year or second-year student who submits the best problems and solutions in mathematics.

2023, 2024 *Samuel Prazeres Goodman*

CHARLES AND ELLEN WILTS PRIZE

The Wilts Prize is awarded annually for outstanding independent research in electrical engineering leading to a Ph.D. degree. This prize was established in 1992 to honor Charles Wilts, a member of the electrical engineering faculty from 1947–1975, who made substantial contributions to the Department of Electrical Engineering.

2026 *Haowen Zhou*

FREDRICK J. ZEIGLER MEMORIAL AWARD

The Fredrick J. Zeigler Memorial Award was established in 1989 to honor Fredrick J. Zeigler, a member of the class of 1976 and an applied mathematics major. This award recognizes an outstanding second-year or third-year student in pure or applied mathematics for their excellence in scholarship as demonstrated in class activities or in the preparation of an original paper or essay in any subject area.

2024 *Samuel Prazeres Goodman*

2025 *Akshar Dharmasanam Ramkumar, Ritvik Sai Teegavarapu*

Caltech | Alumni

Joy. Anticipation. Relief. Pride. Wonder.

Graduating today, you'll feel many emotions. Congratulations on your achievements at Caltech! Like our 26,465 alumni, you will bring your talent and perseverance to every ambitious undertaking. Caltech alumni are scientists and engineers, authors and attorneys, teachers and inventors. We are also parents, community leaders, and friends. We bring our unquenchable thirst for knowledge and understanding to every effort.

As the newest alumni, you bridge today's students with the graduates who came before you. We invite you to connect students and alumni with your newly extended networks. Your new connections strengthen the entire community. Fellow alumni are here to support you in finding and forming these opportunities for lifelong impact and friendship. The Caltech Alumni Association (CAA) is honored to connect you with fellow alumni on these journeys. Through programs like the Techer Professional Network, regional events, Tables for Techers, Seminar Day, Alumni Weekend, and so much more, the CAA will help you realize the full potential of your extended Techer family, personally and professionally.

On behalf of the Caltech Alumni Association, I welcome you as members of our global alumni community. Visit **alumni.caltech.edu** to be a mentor, connect with alumni in your area, and bring your energy to Techers around the world. You are also welcome to share in my own network of Caltech alumni and beyond. Text me at 626-217-2580 when you need help from Caltech alumni, and I will connect you with whomever I can.

Dan Liebling, MS (BS '02)
Chair of the Board, Caltech Alumni Association
info@alumni.caltech.edu

ACADEMIC REGALIA AND HOUSE TRADITIONS AT CALTECH

The symbolism in the academic regalia worn by graduates at Commencement dates back many centuries. Although some aspects of the costume vary among academic institutions, many basic elements are similar. The cap or mortarboard is based on the medieval biretta worn by scholars and artists. The gown's cut and velvet trimming indicate academic rank. The doctoral hood may display the academic field of the wearer's degree and the institution from which it was received. In addition, tassels, cords, and medallions denote various honors awarded by the institution or academic societies.

Caltech graduates receiving a doctorate wear a black velvet cap, robes trimmed in blue velvet, and a blue velvet doctoral hood lined in a chevron pattern of orange and white. Those receiving a bachelor's or master's degree wear a simple black gown and black mortarboard or cap.

In addition to these traditional items, an undergraduate may also choose to wear a colored stole to the graduation ceremony. While orange stoles denote Caltech pride, other colors may be chosen to represent the undergraduate's residential affiliation. There are currently eight undergraduate houses at Caltech (**Avery, Blacker, Dabney, Fleming, Lloyd, Page, Ricketts,** and **Venerable**), and three undergraduate residences (**Bechtel, Braun,** and **Marks**). Some of the undergraduate houses also commemorate their house members' graduation with specific celebrations as members walk across the stage and receive their diplomas.

- The students of the **Bechtel**, **Braun**, and **Marks** residences who affiliate with a house may choose to wear that house's tassel or stole.
- A purple stole or a purple and white tassel designates **Avery House**; Avery's house color is purple. Avery members ring triangles (symbolizing their triangular house logo) when graduating members receive their diplomas.
- A silver stole or a black and white tassel designates **Blacker House**; Blacker's house color is black. Blacker House members give its graduates a wooden placard as a graduation gift.
- A green stole or tassel designates **Dabney House**; Dabney's house color is green. Dabney members blow horns or kazoos when their graduates receive their diplomas.
- A red stole or tassel designates **Fleming House**; Fleming's house color

is red. Fleming members ring the Fleming Bell for their graduating members and fire the Fleming Cannon when the Fleming President and two Cannon Masters receive their diplomas.

- A gold stole or a yellow and white tassel designates **Lloyd House**; Lloyd's house color is gold. Lloyd members ring the Lloyd Gong when graduating members receive their diplomas.
- A blue stole or tassel designates **Page House**; Page's house color is blue. Page members ring bells for their graduating members and will additionally yell and cheer.
- A maroon stole or tassel designates **Ricketts House**; Ricketts's house color is maroon. Ricketts members yell and cheer when their graduates receive their diplomas.
- A navy blue stole or tassel designates **Venerable House**; Venerable's house color is navy blue. Venerable members blow whistles, including train whistles, in honor of graduating members.

GAUDEAMUS IGITUR (LET US REJOICE, THEREFORE)

The song *Gaudeamus igitur* has become an academic standard, sung around the world at graduations and other university ceremonies. Some verses of this anthem go back to 13th-century France, where they appear in a Latin hymn on the transitory nature of life. By the middle of the 18th century, students at German universities had combined the original medieval verses with new ones—including the now famous opening verse that begins *Gaudeamus igitur, juvenes dum sumus* ("Let us rejoice, therefore, while we are young")—to create a song that celebrated youth and the student life, in all of its highbrow (and lowerbrow) aspects. In the mid-19th century, the song crossed the Atlantic to Yale, where still more verses were added for use at academic ceremonies.

Since then, verses have been added or subtracted for different occasions. The song also has been translated into many different languages, sometimes faithfully, sometimes quite imaginatively.

The verses below (which have been translated as closely as possible from Latin into English) combine the youthful energy and irreverent attitude towards authority that characterize Caltech students with a ringing endorsement of the academic enterprise to which they are devoted. The verses celebrate the Institute and the community of scholars—past, present, and future—who have done and will continue to do its work.

Gaudeamus igitur Iuvenes dum sumus. Post iucundam iuventutem Post molestam senectutem Nos habebit humus.	Let us rejoice, therefore, While we are young. After a pleasant youth After a troubling old age The earth will have us.
Ubi sunt qui ante nos In mundo fuere? Vadite ad superos Transite in inferos Hos si vis videre.	Where are they who, before us, Were in the world? Go to the heavens Cross over into the infernal regions If you wish to see them.
Vivat academia! Vivant professores! Vivat membrum quodlibet; Vivant membra quaelibet; Semper sint in flore.	Long live the academy! Long live the professors! Long live each student; Long live the whole community; For ever may they flourish!
Alma Mater floreat, Quae nos educavit; Caros et commilitones, Dissitas in regiones Sparsos, congregavit.	May our Alma Mater flourish, Who taught us; Who gathered together Dear ones and comrades, Scattered in remote places.

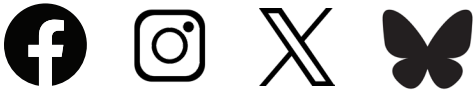
Translation by Warren C. Brown, Professor of History

HAIL CIT

(Caltech alma mater)

arranged by Raymond Burkhart

In Southern California with grace and splendor bound,
Where the lofty mountain peaks look out to lands beyond,
Proudly stands our Alma Mater, glorious to see;
We raise our voices proudly, hailing, hailing thee.
Echoes ringing while we're singing over land and sea,
The halls of fame resound thy name, noble CIT.



JOIN THE CELEBRATION ON SOCIAL MEDIA!

We invite you to celebrate and honor our 2026 graduates. Post your well-wishes, words of wisdom, and congratulations with #Caltech2026 on Facebook, Instagram, X, and Bluesky.