Gene D. Block  
Chancellor

Jayathi Y. Murthy  
Ronald and Valerie Sugar Dean

Yoram Cohen  
Chair of the Faculty

Richard D. Wesel  
Associate Dean  
Academic and Student Affairs

Jia-Ming Liu  
Associate Dean  
Academic Personnel

Veronica Santos  
Associate Dean  
Equity, Diversity and Inclusion (EDI) and Faculty Affairs

Jenn-Ming Yang  
Associate Dean  
International Initiatives and Online Programs

Bruce Dunn  
Associate Dean  
Research and Physical Resources

Jeffrey Goldman  
Assistant Dean  
Chief Financial Officer

Christine Wei-li Lee  
Assistant Dean  
Chief Marketing Communications Officer

Tessa Mazler  
Executive Director of Development  
External Affairs

Song Li  
Bioengineering  
Department Chair

Panagiotis Christofides  
Chemical and Biomolecular Engineering  
Department Chair

Ertugrul Taciroglu  
Civil and Environmental Engineering  
Department Chair

Eliezer Gafni  
Computer Science  
Department Chair

CK Ken Yang  
Electrical and Computer Engineering  
Department Chair

Yu Huang  
Materials Science and Engineering  
Department Chair

Tim Fisher  
Mechanical and Aerospace Engineering  
Department Chair

Eleazar Eskin  
Department Chair  
Computational Medicine  
(affiliated with the David Geffen School of Medicine at UCLA)

As a land grant institution, UCLA Samueli School of Engineering acknowledges the Gabrielino/Tongva peoples as the traditional land caretakers of Tovaangar — the Los Angeles basin and southern Channel Islands. We pay our respects to our ancestors, elders and our relatives and relations — past, present and emerging.
UNIVERSITY OF CALIFORNIA, LOS ANGELES
THE HENRY SAMUELI SCHOOL OF ENGINEERING
AND APPLIED SCIENCE

58TH COMMENCEMENT
JUNE 11-12, 2022
PAULEY PAVILION
Congratulations, UCLA Class of 2022! I am honored to join your family, friends, and the entire University of California community in celebrating you and this joyful culmination of your UC education. We are in awe of you and your accomplishments, and we recognize all the work you put in to make it to this moment.

I hope you will always take great pride in what you have achieved at the University of California, and in being a part of the UC family for life. This great university will always be a part of you, and UC will always be indelibly better for your time here as students.

In her lecture upon receiving the 1996 Nobel Prize in Literature, the Polish poet Wislawa Szymborska wrote, “Whatever inspiration is, it’s born from a continuous ‘I don’t know.’” As you prepare for the next chapter in your life, may you go out into the world equipped with intellectual confidence and the tools of learning. May you take with you the seeds of curiosity and wonder that you tended here. And may you create an inspired future and a better, more equitable planet for all of us.

Your graduation is a milestone reflecting your resilience, your strength, and limitless hope. The world faces unprecedented challenges: war, racial injustice, climate change — to name a few. You are the leaders who will help heal what is wounded and right what is wrong. As you embark on this journey, know that you are ready. We’re behind you as you go forth into the great unknown, claiming your places in the world.

Congratulations, Bruins. And Fiat lux — let there be light!

Michael V. Drake, M.D.
President

Gene D. Block
Chancellor
Class of 2022, on behalf of the faculty and staff of the UCLA Henry Samueli School of Engineering and Applied Science, I want to offer my warmest congratulations on your milestone accomplishment.

The incredible challenges you have overcome, the hands-on experiences you have gained and the lifelong friends you have made at UCLA will certainly shape you just as much as the knowledge you have learned and the skills you have acquired along the way.

In the face of an ongoing global pandemic, you have shown remarkable adaptability, compassion, ingenuity and resilience — all marks of your indelible character and strength as engineers and computer scientists.

Today, as you leave UCLA Samueli with a coveted degree from one of the best engineering schools on the planet, you have with you the spirit of a problem-solving Bruin engineer that will prepare you for success in all your future endeavors. You now join other proud UCLA graduates who share an unyielding commitment to improving quality of life by addressing societal challenges with integrity, creativity and equity in mind.

I cannot wait to see you thrive in your next adventure, paying it forward for those following in your footsteps and breaking barriers in the next frontiers of technological discovery and innovation. All of us in the UCLA Engineering community remain your biggest fans and will always welcome your active involvement. Go Bruins, march forward with confidence and intention as the world awaits your many contributions.

Fiat Lux,

Jayathi Murthy

Dean
Jayathi Y. Murthy
Ronald and Valerie Sugar Dean
UNDERGRADUATE PROGRAM
— JUNE 11, 2022 —

Professor Yoram Cohen
Faculty Marshal, Presiding

PROCESSIONAL

THE NATIONAL ANTHEM
Youngbo Shim
Civil Engineering
Bachelor of Science, Spring 2022

SCHOOL WELCOME
Jayathi Y. Murthy
Ronald and Valerie Sugar Dean

STUDENT SPEAKER’S MESSAGE
Nicholas Anthony Snyder
Chemical Engineering
Bachelor of Science, Spring 2022

COMMENCEMENT ADDRESS
Ronald D. Sugar
Distinguished Speaker

PRESENTATION AND CONFERRAL
OF CANDIDATES
BACHELOR OF SCIENCE

CLOSING REMARKS
Jayathi Y. Murthy
Ronald and Valerie Sugar Dean

RECESSIONAL
DISTINGUISHED SPEAKER

Ronald D. Sugar
Chairman (Ret.)
Northrop Grumman Corporation

Ronald D. Sugar ’68, M.S. ’69, Ph.D. ’71 served as Chairman of the Board and Chief Executive Officer of Northrop Grumman from 2003 until his retirement in 2010. During his tenure, Northrop Grumman grew to become one of the world’s largest aerospace and defense companies, with 120,000 employees and $35 billion in annual revenue.

Prior to joining Northrop Grumman in 2001, Sugar held senior operating, technical and financial positions at TRW Inc. and Litton Industries.

He is currently a director of Apple Inc., Chevron Corporation and Amgen Inc., and chairman of Uber Technologies. He also serves as senior advisor to Ares Management LLC, Bain & Co. and Singapore’s Temasek Investment Company.

He is a trustee of the University of Southern California, where he also holds the Judge Widney Chair as Professor of Management and Technology, a member of the UCLA Anderson School of Management board of advisors, and director of the Los Angeles Philharmonic Association.

He is past chairman of the Aerospace Industries Association, a member of the National Academy of Engineering, and a fellow of both the American Institute of Aeronautics and Astronautics and the Royal Aeronautical Society. He was previously appointed by the president of the United States to the National Security Telecommunications Advisory Committee.

As a triple Bruin, including graduating summa cum laude with a bachelor’s degree in electrical engineering, Sugar was honored as UCLA Engineering’s Alumnus of the Year in 1996.

STUDENT SPEAKER

Nicholas Snyder
Chemical Engineering
Bachelor of Science, Spring 2022

Nicholas Snyder is graduating with his B.S. in chemical engineering in Spring 2022. His interest in chemistry and sustainability led him to join Professor Carlos Morales-Guio’s electrocatalysis laboratory at UCLA, where he assisted with carbon dioxide reduction experiments and conducted research on electrochemical phosphate recovery from wastewater.

In the fall, he will be studying at the Swiss Federal Institute of Technology in Lausanne, Switzerland, to obtain his M.S. in energy science and technology before returning to the U.S. to get his Ph.D. in chemical engineering from Stanford University, where he has currently deferred for two years.

Snyder plans to continue researching sustainable applications of electrochemistry with the ultimate goal of becoming a university professor or staff scientist at a national laboratory.

NATIONAL ANTHEM PERFORMER

Youngbo Shim
Civil Engineering
Bachelor of Science, Spring 2022

Youngbo Shim will be graduating this spring with a B.S. in civil engineering. He will be pursuing an M.S. in civil and environmental engineering at UC Berkeley, with a concentration in energy, civil infrastructure and climate. He has been an active member of the UCLA chapter of the American Society of Civil Engineers (ASCE), where he has led its Sustainable Construction Building Team to a second-place national finish.

He also co-managed the chapter’s Sustainable Solutions Team to a first-place regional finish in the 2022 ASCE Tiny House Challenge, which qualified the team for the association’s national convention. Outside of his academic pursuits, Shim has been a trumpet performer in the UCLA Marching Band for four years.
Professor Yoram Cohen  
Faculty Marshal, Presiding

PROCESSIONAL

THE NATIONAL ANTHEM  
Chauncey Arturo Isom  
English  
Bachelor of Arts, 1987

SCHOOL WELCOME  
Jayathi Y. Murthy  
Ronald and Valerie Sugar Dean

STUDENT SPEAKER’S MESSAGE  
Sandeep Singh Sandha  
Computer Science  
Doctor of Philosophy, Summer 2022

PRESENTATION AND CONFERRAL OF THE HOODS  
DOCTOR OF PHILOSOPHY

COMMENCEMENT ADDRESS  
Jonathan Arenberg  
Distinguished Speaker

PRESENTATION AND CONFERRAL OF CANDIDATES  
MASTER OF SCIENCE  
MASTER OF ENGINEERING

CLOSING REMARKS  
Jayathi Y. Murthy  
Ronald and Valerie Sugar Dean

RECESSIONAL
Jonathan Arenberg
Chief Mission Architect for Science and Robotic Exploration
Northrop Grumman Corporation

Jonathan Arenberg ’83, M.S. ’85, Ph.D. ’87 is the Chief Mission Architect for Science and Robotic Exploration at Northrop Grumman, one of industry’s leading companies and where Arenberg has worked for more than 30 years.

A triple Bruin, Arenberg received his bachelor’s degree in physics and originally planned on pursuing a doctorate in the same field before discovering a passion for engineering while interning at Hughes Aircraft. He then went on to receive both his master’s and doctoral degrees in engineering at UCLA.

Arenberg has played a key role in a number of high-energy laser and space science missions, including the Chandra X-ray Observatory, Airborne Laser and Starshade. He was the chief engineer of the James Webb Space Telescope, the most powerful telescope ever built, which was successfully launched into space in December 2021. His current role focuses on the development of new technologies and mission concepts.

Having contributed to more than 200 conference presentations and publications, Arenberg is a frequent speaker, dedicated mentor and an SPIE Fellow of the international nonprofit society for optics and photonics technology. He holds more than a dozen U.S. and international patents in a variety of technologies.

In 2020, Arenberg received UCLA Samueli’s Professional Achievement Award in recognition of his outstanding contributions to the aerospace industry and commitment to sharing his passion for STEM with fellow Bruins and others in the field.

Sandeep Singh Sandha
Computer Science
Doctor of Philosophy Candidate, Summer 2022

Sandeep Singh Sandha is a Ph.D. candidate in the Department of Computer Science at UCLA. He has a B.S. from the Indian Institute of Technology Roorkee and an M.S. from UCLA. After finishing his Ph.D. this summer, he will be joining Amazon to work as an applied scientist on Alexa. His research is focused on creating uncertainties-aware machine learning systems, and he has collaborated extensively with industry giants, including IBM Research, ARM Research, Amazon and Teradata.

While at UCLA, he has served as the president of the Computer Science Graduate Student Association for four years, coordinating more than 100 social events for the graduate student community. He has also served as the coordinator of UCLA’s free STEM program for high school students from underrepresented communities for the past four years. In 2021, he was awarded the outstanding mentorship award by the Computer Science Department.

Chauncey Arturo Isom
English
Bachelor of Arts, 1987

For 20 years, Chauncey Arturo Isom worked as UCLA Samueli’s senior undergraduate academic counselor for civil engineering and materials engineering in the Office of Academic and Student Affairs.

Isom began singing in church as a child and continues his passion for music.
ABOUT
UCLA SAMUELI

The UCLA Henry Samueli School of Engineering and Applied Science has more than 6,500 undergraduate and graduate students, 193 full-time faculty members and 40,000 active alumni. Established in 1945, UCLA Samueli is known as the birthplace of the internet and where countless other fields took some of their first steps — including artificial intelligence, reverse osmosis, mobile communications and human prosthetics.

In April 2021, UCLA became the first university to win an XPRIZE with a UCLA Samueli team that won a $7.5 million grand prize for turning carbon to concrete. Since October 2021, two new hubs have been lunched in collaborations with UCLA Samueli that made UCLA the first public university selected for such establishments — the UCLA Science Hub for Humanity and Artificial Intelligence and the Break Through Tech AI Hub in Los Angeles. Both hubs are designed to harness the power of AI for the good of humanity and to encourage more nontraditional students to study computer science.

The school’s academic departments include Bioengineering, Chemical and Biomolecular Engineering, Civil and Environmental Engineering, Computer Science, Electrical and Computer Engineering, Materials Science and Engineering, and Mechanical and Aerospace Engineering, as well as the Department of Computational Medicine, which is affiliated with both the David Geffen School of Medicine and UCLA Samueli.

In addition, UCLA Samueli offers the Master of Science in Engineering Online program and debuted the one-year Master of Engineering professional degree program in fall 2021.

In 2000, the engineering school was renamed in honor of triple alumnus Henry Samueli, following a $30 million gift that supported capital improvements as well as fellowships for graduate students and early-career faculty. In 2019, Samueli and his wife Susan gave another gift of $100 million through their charitable foundation to support the school’s expansion well into the next decade.

Today, UCLA Samueli is in the midst of its largest growth since the school was founded, with plans to enroll up to 7,000 students and recruit additional professors for a roster of 250. New faculty will bring expertise in emerging research areas, such as engineering in medicine, quantum technologies, and sustainable and resilient urban systems. The school’s facilities include four major buildings: Boelter Hall, Engineering-IV, Engineering-V and Engineering-VI. Recent renovations have included the addition of the Student Creativity Center, which is home to many student organizations, and the Innovation Laboratory, a makerspace for hands-on learning.

UCLA Samueli is consistently ranked in the Top 10 among U.S. public engineering schools and its online master’s program is currently ranked the No. 1 program for veterans in the nation by U.S. News & World Report.

...
CANDIDATES
DOCTOR OF PHILOSOPHY

DEPARTMENT OF BIOENGINEERING
Doctor of Philosophy in Bioengineering

Conferred, Fall 2021

Chih-Chiang Chang
Multiscale Imaging and Machine-Learning Approaches to Investigate Cardiovascular and Metabolic Diseases
ADVISOR: Tzung Hsiai, MD

Pei-Shan Chung
Ultra-stretchable Electronic Rubber Band for Electrical Stimulation, Electromyography and Gastrointestinal Mobility Monitoring
ADVISOR: Pei-Yu Chiou

Eric Andrew Johnson
Cardiac Magnetic Resonance Imaging-Guided Therapies for Chronic Hemorrhagic Myocardial Infarction
ADVISOR: Holden Wu

Giovanni Quinones Quinones Valdez
Function and Regulation of Nucleotide Variants in RNA
ADVISOR: Xinshu Xiao

Conferred, Winter 2022

Xingmin Guan
Noninvasive Imaging of Hemorrhagic Myocardial Infarction with Confounder-Corrected T2* Cardiac MRI
ADVISOR: Rohan Dharmakumar

Alberto Libanori
Soft Bioelectronics for Self-Powered Neural Tissue Engineering
ADVISOR: Jun Chen

Joseph Park
Biomechanics of Optic Nerve Tethering in Adduction
ADVISOR: Tzung Hsiai, MD

Tianran Zhang
Towards More Generalizable Machine Learning: Improving Model Robustness Against Clinical Event Sequence Shifts
ADVISORS: Alex Bui and William Hsu

Nicole (Hanyue) Zhou
Medical Note and Image Processing with Physical Models and Deep Learning Techniques
ADVISOR: Dan Ruan

Candidates, Spring 2022

Pei Han
Development of MRI Techniques for Tissue Characterization Using Magnetic Resonance Multitasking
ADVISOR: Debiao Li

Zhehao Hu
Advanced Magnetic Resonance Vascular Imaging: Technical Development and Application
ADVISORS: Debiao Li and Zhaoyang Fan

Joshua James Karam
Development of Injectable, Hyaluronic Acid Based Biomaterials
ADVISOR: Song Li

Jesse Liang
Matrix Mimetic Hydrogels for High-Throughput Screening
ADVISOR: Stephanie Seidlits

Thang Le Nguyen
Measuring Cellular Mechanics with Quantitative Phase Microscopy
ADVISOR: Michael S. Teitell, MD

Yudi Sang
Deformable Image Registration with Learning
ADVISOR: Dan Ruan

Mark Van Zee
Lab-on-a-Particle Technologies to Democratize the Development of Monoclonal Antibody Therapies
ADVISOR: Dino Di Carlo

Yushan Wang
Novel Techniques for Neuromodulation and Neural Signal Analysis
ADVISOR: Wentai Liu

Candidates, Summer 2022

Amy Lauren Cummings
Integrating Multimodal Data for Personalized Models of Cancer
ADVISOR: Alex Bui

Yi Luo
Label-Free Bio-Aerosol Detection Using Lens-less Microscopy
ADVISOR: Aydogan Ozcan
DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING
Doctor of Philosophy in Chemical Engineering

Conferred, Fall 2021

Robert Dimatteo
Democratized Microdroplet Technologies for the Analysis of Single Immune Cell Secretions

Conferred, Winter 2022

Abdulaziz Mohammed A Alamer
CO₂ Conversion to Value-Added Chemicals: Thermodynamic and Indium-Based Catalysts Studies
ADVISOR: Vasilios Manousiouthakis

Masih Jorat
Sustainability over Sets
ADVISOR: Vasilios Manousiouthakis

Sohyun Lee
Microfabrication of Three-Dimensional Complex Structures for Biomedical Applications
ADVISOR: Dino DiCarlo

Candidates, Spring 2022

Adrian Acosta
Engineering of FeGa and HfO₂ Interfaces for Magnetoelectric Applications
ADVISOR: Jane Chang

Laurence Chen
Outsmarting and Outmuscling Cancer Cells for Next-Generation CAR-T Cell Therapies
ADVISOR: Yvonne Chen

Siyao (Scarlett) Chen
A Machine Learning-Based Approach to Cybersecurity and Safety of Model Predictive Control Systems
ADVISOR: Panagiotis Christofides

Yian Chen
Performance Tuning of Responsive Polymeric Ultrafiltration and Reverse Osmosis Membranes via Surface Nano-structuring with Tethered Poly(acrylic acid) Chains
ADVISOR: Yoram Cohen

Alexis Kyle Fortini
Ion Transport in Lithium-Ion Batteries with Heterogeneous Electrolyte Systems
ADVISOR: Yunfeng Lu

Defu Li
n/a
ADVISOR: Samanvaya Srivastava

Eric Tung Hua Lin
Zn Site Requirements for Conversion of Oxygenates on Zn-Exchanged BEA Zeolites
ADVISOR: Dante Simonetti

Yi Ming Ren
Machine Learning Modeling with Application to Laser Powder Bed Fusion Additive Manufacturing Process
ADVISOR: Panagiotis Christofides

Yenwen Tseng
Electrochemically Enhanced Amine Regeneration Process for Next Generation Carbon Dioxide Capture
ADVISOR: Dante Simonetti

Danielle Ashley Yee
n/a
ADVISOR: Yi Tang

Candidates, Summer 2022

George Xu Yan
Theoretical Modeling of Metal Oxide-Supported Single Atom Catalysts Under Reactive Gas Environments
ADVISOR: Philippe Sautet

Zhengrong Zheng
Amplification-Free Detection of 16S rRNA for Next Generation Point of Care Diagnostics
ADVISOR: Harold Monbouquette
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
Doctor of Philosophy in Civil Engineering

Conferred, Fall 2021

Tien-Shu Chang
Freeze-Thaw Damage of Hybrid Fiber-Reinforced Concrete Containing Microencapsulated Phase Change Material
ADVISOR: Jiann-Wen Ju

Honglan Huang
Machine Learning-Based Decision Support to Enhance the Seismic Resilience of Distributed Infrastructure
ADVISOR: Henry Burton

Han Liu
Accelerated Design of Disordered Materials by Computational Simulation and Machine Learning
ADVISOR: Mathieu Bauchy

Yang Yang
Calibrated Fragility Functions for Seismic Loading of Sacramento-San Joaquin River Delta Levees
ADVISOR: Scott Brandenberg

Haowen Yue
Evaluation of Short-Range and Medium-Range Precipitation Forecasts Using Remote-Sensing Data
ADVISOR: Mekonnen Gebremichael

Conferred, Winter 2022

Arpita Iddya
Facilitating Interfacial Processes for Specific Ion/Molecule Recovery
ADVISOR: David Jassby

Candidates, Spring 2022

Annesh Borthakur
Design of Regenerative Stormwater Biofilters for Long Term Removal of Legacy and Emerging Pollutants
ADVISOR: Sanjay Mohanty

Victor Alejandro Contreras
Characteristics of Subduction Zone Ground Motions with an Emphasis on Latin America
ADVISOR: Jonathan P. Stewart

Kayden Haleakala
Hydrological Underpinnings of Mountain Snowpack Responses to Warming Storms
ADVISOR: Mekonnen Gebremichael

Bongyeon Jung
Optimization and Improvement of Pressure-Driven Membrane Performance for Desalinated Water Production
ADVISOR: David Jassby

Vera Smirnova Koutnik
Microplastic Accumulation and Transport in the Subsurface Under Weathering Cycles
ADVISOR: Sanjay Mohanty

Yufei Liu
Assessing Seasonal Snowpack Distribution and Snow Storage over High Mountain Asia
ADVISOR: Steven Margulis

Shengcun Ma
Electrochemical Detection and Removal of Heavy Metals in Water
ADVISOR: David Jassby

Renan Lucas Valenca
Resilience of Stormwater Treatment Systems Under Changing Climates
ADVISOR: Sanjay Mohanty

Kimberly Wang
ADVISOR: Dennis Lettenmaier

Candidate, Summer 2022

Zhe Wang
Physics- and Data-Driven Modeling of Silicate Glasses
ADVISOR: Mathieu Bauchy
DEPARTMENT OF COMPUTER SCIENCE
Doctor of Philosophy in Computer Science

Conferred, Fall 2021

Wasi Uddin Ahmad
Cross-lingual Representation Learning for Natural Language Processing
ADVISOR: Kai-Wei Chang

Xuelu Chen
Representation Learning Based Query Answering on Knowledge Graphs
ADVISORS: Carlo Zaniolo and Yizhou Sun

Lisa Gai
Computational Methods for Disease Diagnosis and Understanding the Genetics of Complex Traits
ADVISOR: Eleazar Eskin

Tong He
Deep 3D Embodied Visual Recognition
ADVISOR: Stefano Soatto

Yuan He
Topological Characterization of Distributed Computability
ADVISOR: Eliezer Gafni

Brian Lawrence Hill
Computational Methods for the Imputation and Prediction of Digital Health Data
ADVISOR: Eran Halperin

Aayush Jain
Indistinguishability Obfuscation from Well-Studied Assumptions
ADVISOR: Amit Sahai

Trent M Kyono
Towards Causally-Aware Machine Learning
ADVISOR: Mihaela van der Schaar

Zeyu Li
Improving Recommender Systems via Multimodal Information
ADVISOR: Wei Wang

Xuanqing Liu
Building Trustworthy Machine Learning Models
ADVISOR: Cho-Jui Hsieh

Nathan Manohar
High Precision Bootstrapping of Approximate Homomorphic Encryption
ADVISOR: Amit Sahai

Alana Morgan Ramjit
Bridging the Gap Between Application Logic and Auto-Optimization in Modern Data Analytics
ADVISORS: Ravi Netravali and Todd Millstein

Jieyu Zhao
Building Accountable Natural Language Processing Models: On Social Bias Detection and Mitigation
ADVISOR: Kai-Wei Chang

Conferred, Winter 2022

Manoj Reddy Dareddy
Emerging Paradigms for Privacy Preserving Recommender Systems
ADVISOR: Junghoo Cho

Migyeong Gwak
Internet of Things (IoT)-Enabled Health Monitoring Systems: Implementation and Validation
ADVISOR: Majid Sarrafzadeh

Shaghayegh Mardani
Bridging the Performance Gap Between Mobile Applications and Mobile Web Pages
ADVISOR: Ravi Netravali

Luyao Yuan
Communicative Learning: A Unified Learning Formalism
ADVISOR: Song Chun Zhu

Candidates, Spring 2022

Xinzhu Bei
Learning Task-Sufficient Representation of Video Dynamics
ADVISOR: Stefano Soatto

Zhaoxing Bu
Hybrid Heuristic Algorithms For Single-Agent Planning and Search
ADVISOR: Richard Korf

YooJung Choi
Probabilistic Reasoning for Robust and Fair Decision Making
ADVISOR: Guy Van den Broeck

Rex David Fernando
Round-Optimal Concurrent, Reusable Secure Multi-party Computation Without Setup
ADVISOR: Amit Sahai

Siva Kesava Reddy Kakarla
Formal Methods for a Robust Domain Name System
ADVISORS: Todd Millstein and George Varghese

Nathan LaPierre
Methods for Refining Genetic Association and Causal Effect Estimates
ADVISOR: Eleazar Eskin
Qianru Li  
**Mobility Support for 5G and Beyond: New Challenges and Novel Solutions**  
**ADVISOR:** Songwu Lu

Arthi Padmanabhan  
**Making Video Analytics Applications Efficient and Affordable**  
**ADVISORS:** Harry Xu and Ravi Netravali

Md Rizwan Parvez  
**Learning Through Auxiliary Supervision for Multi-modal Low-Resource Natural Language Processing**  
**ADVISOR:** Kai-Wei Chang

Zhaowei Tan  
**System Security in 5G/4G/xG Mobile Networks: New Attacks and Countermeasures**  
**ADVISOR:** Songwu Lu

Jia Shen Teoh  
**Automated Performance and Correctness Debugging for Big Data Analytics**  
**ADVISOR:** Miryung Kim

John Vincent Thorpe  
**Affordable, Scalable, and Efficient Deep Learning Systems**  
**ADVISOR:** Harry Xu

Justin Wood  
**Knowledge Discovery from Biomedical and Scientific Text**  
**ADVISOR:** Wei Wang

Difan Zou  
**Understanding the Role of Optimization Algorithms in Learning Over-parameterized Models**  
**ADVISOR:** Quanquan Gu

Candidates, Summer 2022

Vidushi Dadu  
**Generalizing Programmable Accelerators for Irregularity**  
**ADVISOR:** Tony Nowatzki

Sanddeep Singh Sandha  
**Learning-Enabled Cyber-Physical Systems: Challenges and Strategies**  
**ADVISOR:** Mani Srivastava

Chi Zhang  
**A Unified Framework for Concept Learning from Few Examples: Raven’s Progressive Matrices, Number Sense, and Odd-One-Out**  
**ADVISOR:** Song-Chun Zhu

Zhehui Zhang  
**Preventing and Mitigating Failures in Mobile Networks**  
**ADVISOR:** Songwu Lu

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**DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING**  
**Doctor of Philosophy in Electrical Engineering**

Conferred, Fall 2021

Sundara Rajan Srinivasavaradhan  
**Statistical Inference Applications in Bioinformatics and Epidemiology**  
**ADVISOR:** Christina Fragouli

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DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
Doctor of Philosophy in Electrical and Computer Engineering

Conferred, Fall 2021

Shi Bu
Programmable, High-Dynamic-Range Receiver Front-Ends Using Periodically Time-Varying Circuits
ADVISOR: Sudhakar Pamarti

Ting-Yuan Chang
Hybrid III-V Semiconductor Nanowires on Silicon
ADVISOR: Diana L. Huffaker

Goutham Ezhilarasu
Flexible, Heterogeneously Integrated MicroLED Displays in Elastomeric Substrates Using Fan-Out Wafer-Level Packaging
ADVISOR: Subramanian Iyer

Samer Sarwat Nageeb Hanna
UAV Swarm Enabled Communications: System Design for Spectrum and Energy Efficiency with Security Considerations
ADVISOR: Danijela Cabric

Albert Lee
Next-Generation AI: From Algorithm to Device Perspectives
ADVISOR: Kang Wang

Onur Memioglu
A 300-GHz 52-mW CMOS Receiver with On-Chip LO Generation
ADVISOR: Behzad Razavi

Saptadeep Pal
Scale-Out Packageless Processing
ADVISORS: Puneet Gupta and Subramanian S. Iyer

Parthe Pandit
Exact Analysis of Inverse Problems in High Dimensions with Applications to Machine Learning
ADVISOR: Alyson K. Fletcher

Zhuyun Xiao
Strain-Mediated Multiferroics Heterostructures for Life Science Applications
ADVISOR: Robert Candler

Siyi Yang
Application-Driven Coding Techniques: From Cloud Storage to Quantum Communications
ADVISOR: Lara Dolecek

Gary Joseph Yeung
Speech Normalization and Data Augmentation Techniques Based on Acoustical and Physiological Constraints and Their Applications to Child Speech Recognition
ADVISOR: Abeer Alwan

Conferred, Winter 2022

Peng Zhang
Understanding and Manipulation of Emerging Quantum Phases in Topological Insulators
ADVISOR: Kang Wang

Amber Afshan
Speaking Style Variability in Speaker Discrimination by Humans and Machines
ADVISOR: Abeer Alwan

Christopher Inhwan Baek
Automated Computation of Hemodynamic Metrics Based on Non-invasive Electrophysiological and Biomechanical Features
ADVISOR: William Kaiser

Tsang-Kai Chang
Robotic Spatial Autonomy: Multirobot Localization and Online SLAM
ADVISOR: Ankur Mehta

Wuran Gao
Tackling Measurement Uncertainties in Field-Effect Transistor-Based Biosensors
ADVISOR: Wentai Liu

Rulin Huang
Spread Spectrum Based Digital-Intensive CMOS Radar System
ADVISOR: M.C. Frank Chang

Yuan Liang
User-Centered Deep Learning for Medical Image Analysis
ADVISOR: Lei He

Hao Liu
Frequency Comb Generation in Dispersion Engineered Si3N4 Microresonators and Their Applications
ADVISOR: Chee Wei Wong

Qiujing Lu
Real-World High-Dimensional Data with Multimodal Distributions: Mode Discovery and Mode-Preserving Generative Models
ADVISOR: Vwani Roychowdhury

Sumeet Singh Nagi
Efficient, Scalable and High-Throughput Runtime Reconfigurable Arrays for Accelerator as a Service
ADVISOR: Dejan Markovic

Liang Qiu
Conversational Modeling with Human Values, Social Relations, Mental States, and Structure Learning
ADVISOR: Achuta Kadambi
DOCTOR OF PHILOSOPHY (continued)

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
Doctor of Philosophy in Electrical and Computer Engineering (continued)

Uneeb Yaqub Rathore
Flexibility, Scalability, and Efficiency in Next-Generation Digital Signal Processors
ADVISOR: Dejan Markovic

Shadi Shahsavari
Automated Conspiracy Theory Detection and Narrative Consensus Tracking in Social Media
ADVISOR: Vwani Roychowdhury

Candidates, Spring 2022

Tzanis Anevlavis
A Mithrilian Approach to Safety and Robustness of Autonomous Cyber-Physical Systems
ADVISOR: Paulo Tabuada

Hao-Yuan Chang
Unitary Neural Networks
ADVISOR: Kang Wang

Kai-Chi Chang
High-Dimensional Quantum Information Processing with Time-Frequency Qudits
ADVISOR: Chee Wei Wong

Xicheng Duan
Design and Optimization of Stacked Nanosheet FET and FinHBT for Ultra-Scaled SoC
ADVISOR: M.C. Frank Chang

Lucas Martin Fraile Vazquez
Data-Driven Stabilization of Unknown Feedback-Linearizable and Partially Feedback-Linearizable Systems
ADVISOR: Paulo Tabuada

Jeya Vikranth Jeyakumar
Robust and Interpretable Predictions for Multimodal Sensor Systems
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Primal-Dual Proximal Optimization Algorithms with Bregman Divergences
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Ubiquitous Non- and Minimally-Invasive Biosensing Technologies for Personalized and Precision Medicine
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Telecommunication-Compatible, Plasmonics-Enabled Terahertz Sources and Detectors Without Short-Carrier-Lifetime Photoconductors
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Spin Dynamics for Radio Frequency Applications
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Magneto-Optical Investigation of Spintronic Materials for Ultrafast, Energy-Efficient Magnetization Switching
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3D-Printed Lenses, Flat-Layered Meta-Lenses, and Transmitarrays for Next-Generation Spaceborne Applications and Orbital Angular Momentum Beams
ADVISOR: Yahya Rahmat-Samii

Weikang Qiao
Customized Computing: Acceleration of Big-Data Applications
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Efficient Terahertz Transmitters and Receivers in Silicon for Broadband Sensing and High-Speed Wireless Communication
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Estimation and Inference in High-Dimensional Models
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Privacy in Control over the Cloud and Learning Control from Expert Demonstrations
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A Wearable Platform for Decoding Single-Neuron and Local Field Potential Activity in Freely-Moving Humans
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Self-Organizing Generative Models for Diverse Imitation Learning
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Nonlinear Propagation of Terawatt Long-Wave Infrared Radiation in Air
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DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
Doctor of Philosophy in Electrical and Computer Engineering (continued)

Chen Wu
Software and Hardware Co-optimization for Deep Learning Algorithms on FPGA
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Efficient Reliable Communication in the Short Blocklength Regime Through List Decoding and Through Feedback
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Asymptotics of Learning in Neural Networks
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Deep Learning on Microscopy Imaging
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Analog In-Memory Multiply-and-Accumulate Engine Fabricated in 22nm FDSoI Technology
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Mohammadali Panahi
Low-Cost and Low-Power Phased Array Receiver for Wireless Communication and Sensing
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Doctor of Philosophy in Materials Science and Engineering

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Environmental Effects on a Protective Coating used to Mitigate Composite Degradation
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Hierarchically Structured Hydrogels with High Strength, Toughness and Fatigue Resistance
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Towards High-Performance Tandem Photovoltaics Based on Metal Halide Perovskites
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Atomic Electron Tomography and its Applications in Measuring Disorderness of Nanomaterials in 3D and 4D
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Towards High-Efficiency and Stable Metal Halide Perovskite Solar Cells: From Interior to Exterior
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Next-Generation Electrode Materials for Na- and Li-Ion Batteries
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Use of Dynamic Optical Contrast Imaging (DOCI) for Head & Neck Surgical Applications
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Dielectric Elastomer Based Devices: Compliant Electrodes and Dielectric Elastomers Materials Improvements
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DOCTOR OF PHILOSOPHY

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING
Doctor of Philosophy in Materials Science and Engineering

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Plasma-Thermal Atomic Layer Etching of Metals
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Surface, Interface, and Defect Dynamics of Metal Halide Perovskites
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Selective Area P-Type Doping in Gallium Nitride Using Ion Implantation for High Power Applications
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Non-destructive Micro-spectroscopic Analysis of Biomolecules in Keratinous Systems for Interdisciplinary Materials, Biological and Archaeological Research
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Deep Learning for the Design and Characterization of Photonic Materials and Structures
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Miniature Ion Thruster Characterization via Discharge Plasma, Plume, and Mission Analyses
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Strain-Mediated Magnetolectric Composites for Cell Sorting and Memory Devices
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Secondary Species Emission and Behavior for Electrospray Thrusters
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Mechanisms of Nonlinear Oscillations in Biological Control System for Locomotion
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Low-Energy Control of Magnetization Dynamics for Magnetic Computing
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Shahin Rouhani
Optimal Dynamic Inversion: Towards Safety, Reliability and Performance with Application to the Active Magnetic Bearing System
ADVISOR: Tsu Chin-Tsao

Zhenyu She
Roles Played by Heater Size, Contact Angle, Surrounding Vessel Size, and Surface Structure During Pool Boiling on Horizontal Surfaces
ADVISOR: Vijay Dhir

Paymon Shirazi
Magnetostrictive Ferri & Antiferromagnetic Thin Films for Multiferroic Applications
ADVISOR: Greg Carman

Turan Eylul Simsek
Radiation Transfer Through Droplet-Covered Substrates: Simulations, Experiments, and Applications
ADVISOR: Laurent P. Pilon

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Demonstration and Up-Scaling of a Calcination-Free Calcium Hydroxide Production Route from Steel Slag by Aqueous Precipitation
ADVISORS: Laurent P. Pilon and Gaurav N. Sant

Xiaoyu Wang
Eye Gaze-Based Approaches to Recognize Human Intent for Shared Autonomy Control of Robot Manipulators
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Multimodal Communication for Embodied Human-Robot Interaction with Natural Gestures
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Multi-carrier Coupling and Hot Carrier Dynamics at Interfaces and Surfaces
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The Influence of High-Temperature Plasticity on the Thermomechanical Behavior of Structural Materials in Power Conversion Systems
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Data-Driven Approaches to Enhance the Human Experience in Human-Robot Systems: Leveraging Eye Gaze for Intention Recognition and Trust Calibration
ADVISOR: Veronica Santos

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Magnetoelectric Devices and Multiscale Modeling
ADVISORS: Christopher Lynch and Greg Carman

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Haptic Exploration, and Map Rendering for Robots that Operate Within Granular Materials
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Technoeconomic Optimization and Thermohydraulic Characterization of Superalloy Supercritical CO2 Microtube Shell-and-Tube Heat Exchangers
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Flow Estimation with Point Vortex Models
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A Silicon-Based Self-Programming Snyaptic Resistor Network for Neuromorphic Computing
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Automation in Dental and Eye Surgery
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An Over-Actuated Multi-Rotor Aerial Platform and Iterative Learning Control Applications
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Modeling the Mechanical Behavior and Microstructure Evolutions of Irradiated Nuclear Materials Using the Coupled Kinetic Rate Theory and Continuum Crystal Plasticity Method
ADVISOR: Jaime Marian

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Nonreciprocal Parametric Amplification of Elastic Waves Applications in RF Front Ends
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Elastic Waves from Localized Sources with Applications to Nondestructive Evaluation (NDE) of Composite Aerospace Structures
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Dynamic Modeling of Untethered Soft Flagellated Locomotion in Viscous Fluids
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Anil Pradeep Nair
High-Speed Optical Diagnostics for Rotating Detonation Rocket Engine Analysis
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Plastron State and Drag Reduction of High-Performance Superhydrophobic (SHPo) Surfaces in High-Speed Turbulent Flows on Open Water
ADVISOR: Chang-Jin "CJ" Kim

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Peter Walker Ferguson
Dual Reconfigurable Exoskeleton Hand System with Opposable Thumbs
ADVISOR: Jacob Rosen

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Model-Free Approaches to Robotic Manipulation via Tactile Perception and Tension-Driven Control
ADVISOR: Veronica Santos

Ryan Hansen Lee
Mechanical Neural Networks
ADVISOR: Jonathan Hopkins

Eric Richard Peltola
Artificial Tactile Sensing and Human Hand Pose Estimation in Harsh Environments
ADVISOR: Veronica Santos

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Printable Mechanical Autonomy
ADVISOR: Jonathan Hopkins

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Experimental and Numerical Investigation of Mixed-Convection Magnetohydrodynamic (MHD) Flows for Liquid Metal Fusion Blankets
ADVISOR: Mohamed Abdou

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DEGREE OF ENGINEER

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

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MASTER OF ENGINEERING AND MASTER OF SCIENCE

MASTER OF ENGINEERING PROGRAM
Master of Engineering

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- Francisco Javier Gonzalez Ornelas
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
Master of Science in Civil Engineering (continued)

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MASTER OF ENGINEERING AND MASTER OF SCIENCE (continued)

DEPARTMENT OF COMPUTER SCIENCE
Master of Science in Computer Science (continued)

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                                                  Brendon Tetsuo Ng                        Yufeng Zhang
                                                  William Patrick O’Brien                  Daisy Haiting Zheng
                                                  Jason Manuel Facundo Panelli             Yinsheng Zhou
                                                  Aishni Parab                             Wenqi Zou
                                                  Nilay Mahesh Shah                       Candidates, Summer 2022
                                                  Chuhua Sun                               Jessica Raquel Bojorquez
                                                  Jiayue Sun                               Landon Kelt Miller
                                                  Brian Patrick Tagle                      Anubhav Mittal

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Po-Chun Chiu                                  Harsh Chobisa
Vishnu Devarakonda                            Christie Anne Elks

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Master of Science in Electrical and Computer Engineering

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Deyu Yang

Tianyi Yang
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DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
Master of Science in Electrical and Computer Engineering (continued)

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Gongjie Qi
Siyun Qiao
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Anchal Sinha
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Zhuofu Tao
Vidhya Thandayuthapani
Cerrin Toh
Lei Wang
Tianyi Wang
Yibo Wang
Yu-Chi Wang
Menghua Xie
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Xilin Yang
Wangjie Yin
Zhaoxi Yu
Tianyi Zhao
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Master of Science in Materials Science and Engineering

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Poom Narongdej
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Zihang Zhao
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Rong Jin

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Zachary Lacey

Helene Jacqueline Levy

I-Chieh Lin
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<th>Master of Science in Mechanical Engineering (continued)</th>
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<tr>
<td>Ryan Ling</td>
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<td>Ting-Hao Liu</td>
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<td>Jason Ma</td>
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<td>Marie Payne</td>
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<td>Alrayes Qotayba</td>
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<td>Candidate, Summer 2022</td>
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<tr>
<th>Master of Science in Engineering</th>
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<tr>
<td>Conferred, Fall 2021</td>
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<tr>
<td>Laila Marie Abelseth</td>
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<td>Jesus Javier Aguilar</td>
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<td>Alexandria Lynne Victoria</td>
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<td>Da Yin</td>
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<td>Conferred, Winter 2022</td>
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<td>Roger Alexander Arauz</td>
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<td>Taylor Filemon Calderon</td>
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<td>Lorena Covarrubias</td>
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<td>Karah Kingsbury</td>
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<td>Conor Ryan Mossavi</td>
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<td>Cassidy Newman</td>
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<td>Bryan HP Nguyen</td>
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<tr>
<td>Candidates, Spring 2022</td>
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<tr>
<td>Alexander Cesario Arroyo</td>
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<td>Moe Wai Aung</td>
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<td>Jacob Ross Bettencourt</td>
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<td>Yen Chen</td>
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<td>Anthony Joseph Dellavecchia</td>
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<td>Nicole Quynh Anh Du</td>
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<td>Elliot Felipe</td>
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<td>Megan Danielle Friedlander</td>
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<td>Christian Michael Andre George</td>
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<td>William Power Gonser</td>
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<td>Miyako Hanekamp</td>
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<td>David Hanna</td>
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<td>Brett Thomas Jordan</td>
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<td>Nathaniel Kang</td>
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<td>Krista Jihye Kim</td>
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<td>Mark Thomas Klein</td>
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<td>Mikayla Anne Klein</td>
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<td>David Errol Krone</td>
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<td>Julia Yeehui Lau</td>
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<td>Ryan Edward Littell</td>
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<td>Priscilla Lee Luu</td>
</tr>
</tbody>
</table>
SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering (continued)

Kevin Luong Mai
Kyle James Miller
Malcolm Edward Murdock
Amara Clarisse Nance
Vicente Ocampo
Shant Oganesian
Jonathan Roklen
Dennis Correa Viveros

Dana Michelle Yuen
Wei Zhou

Candidates, Summer 2022
Nicholas William Brannick
Lillian Chang
John Patrick Connor
Jareb Wayne Fohne

Alberto Meza
Julie Margaret Miller
Anjali Nikhil Modi
Nicholas David Perez
Michael Lynn Potter
Anthony Alexander Ronca
Michael Brian Castro Tojong
Kerry Zehui Xiao

SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering-Aerospace

Conferred, Fall 2021
Sean Patrick McHale

Conferred, Winter 2022
Cameron Alexander Law
Adam Frank Licavoli
Richard Ni
Vahe Thomas Shahinian
Michael David Sharp

Candidates, Spring 2022
Joshua Kirk Buckhalter
Cody James Dahlgren
Amir Labib
James Jason Lumsden
Andres Padilla
Alexandre Pelletier
Cesar Ignacio Ramirez

Candidates, Summer 2022
Chuyi Liu
Khanh Haongoc Pham
Parisa Soheili

SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering-Computer Networking

Conferred, Winter 2022
Santhosh Varma Penumatcha
MASTER OF ENGINEERING AND MASTER OF SCIENCE (continued)

SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering-Electrical

Conferred, Fall 2021
Shu-Yun Ku
Eugene Lo
Taran Joseph Pennebacker
Ryan Saihoy Wong

Conferred, Winter 2022
Andrew Dylan Begey
Yan Chen
Kenny Huynh
Erick Livan Leyva
Eashan Dhananjay Samak
Michael Soen Yao

Candidates, Spring 2022
Andrew Joseph Holdaway
Manuel Martinez
Drew Henry Selji Nakamura
Sindhu Ojha
Benjamin Shaoulian
Kevin Julian Ward

SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering-Electronic Materials

Candidate, Summer 2022
Alexandra Gomez

SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering-Integrated Circuits

Conferred, Winter 2022
Bryce Allen Feigum

SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering-Manufacturing and Design

Conferred, Fall 2021
David Seaton Durket

Candidates, Spring 2022
Bryan Matthew Kuan
Brittany Michelle Weidner
SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering-Materials Science

Conferred, Fall 2021
Y Thien Le-Ho

Candidates, Spring 2022
James Pierre Freret
Kevin Kuo
Luke M. Mastorilli
Lindsey Kathleen Sweeney

Candidate, Summer 2022
Ze-Ching Ong

SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering-Mechanical

Conferred, Fall 2021
Randy George Ballat
Brandon Tyler Belardo
Mark Steven Betzen
Samantha Devina Bishamber
Connor Christian Ellis
Maxine Felper Gorelick
Christian Meredith Guernsey
Helen Jeanne Mills
Belen Padilla Gonzalez
Justin Ian Ybiernas

Conferred, Winter 2022
Jon Spencer Josey
Brandon Dzi Gin Kan
Amanda Tjipta Sugijoto

Candidates, Spring 2022
Rosario Salvatore Aiello
Ryan Wendell Burke
Bryn Mackenzie Henning
Daniel Craigie Kivlovitz
Alexandre Law
Nicolas Michael Lopez
Van Joseph Pastor Macasaet
Justin Dean Northern

Candidates, Summer 2022
Austin David Pennington
Nathan H. Phung
Nobuyuki Takano
Christopher Brent Underhill
Joanne Faye Webb
Audrey Tingrui Wong

Candidates, Summer 2022
Cristian Dante Grijalva
Ronald Ho Huynh
Arman Mesropyan
Alexandria Jacinth Rosa
Mike Wietstruk
SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering-Signal Processing and Communications

Conferred, Fall 2021
Patrick Mounir Elhaddad

Conferred, Winter 2022
Christopher Michael Augustine II
Daxing Deng
Xinhang Li

Candidates, Spring 2022
Michael Alexander Whiteside

Candidates, Summer 2022
Athena Marie Knopes
Han Lu Ling
Austin Quinn Van Biezen
Ryan Gwan-Ho Wong

Candidates, Fall 2021
Gary Yu Chan
Courtney Junko Chu
Joseph Paul Gorman
Yihyun Kim

Candidate, Summer 2022
Madalyn Rose Danielak

SCHOOLWIDE MASTER OF SCIENCE IN ENGINEERING PROGRAM
Master of Science in Engineering-Structural Materials

Conferred, Fall 2021
Sidney Hoang Si Tran
BACHELOR OF SCIENCE

DEPARTMENT OF BIOENGINEERING
Bachelor of Science in Bioengineering

Conferred, Fall 2021
Christine Grace Tayag Pamplona
Jooeun Yoon *

Conferred, Winter 2022
Brian G. Cardinale
Brian Cheng *
Kathryn Mary Graz *
Yaser Bilal Khokhar *
Ke Lin *
Angela Chang Lu
Ian Thomas Miguel
Josephine Joseph Neyyan
Benjamin Jie-Ming Pang ***
Matthew Ezekiel Prasetyo *
Aditya Sivakumar **
Andy Long Kai Yau *

Candidates, Spring 2022
Ahmed Siddique Ali ♠
Shayan Reza Asemi ♠
Sara Badih ♠
David Radoslavov Bakalov ♠
Rakhi Banerjee ♠
Berke Calbas ♠
Veronica Rebecca Campbell ♠
Cassandra Marie Cantu
Justin Chen ♠
Adam Bryce Clements ♠
Raul Guillermo Davila
Emmi Noelle Deckard ♠
Sophia Rista Desai
Peter Clayton Emmel
Griffith Collwyn Hesketh Hughes ♠
Eva Dawn Hunter
Neha Prakash Iyer ♠
Thomas James Johnson
Christine Huang Jung
Anwar Kalid
Minsoo Kim
Caroline Rogers Koloff
Juan Carlos Awa Lagarde
John Eric Lama ♠
Cindy Le
Tyler Tinh Ngoc Le ♠
Gracie Libman
Xuwen Lou ♠
Diana Ly ♠
Ezekiel Chao-Yun Ma

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Christine Grace Tayag Pamplona
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Brian G. Cardinale
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Aditya Sivakumar **
Andy Long Kai Yau *

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Gracie Libman
Xuwen Lou ♠
Diana Ly ♠
Ezekiel Chao-Yun Ma

Conferred, Winter 2022
Christine Grace Tayag Pamplona
Jooeun Yoon *

Cons
DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING
Bachelor of Science in Chemical Engineering

Conferred, Fall 2021

Wardah Aiman
Demi Fae Angeles Avilla
Markus Noah Thiel

Candidates, Spring 2022

Ainul Haqeeq Bin Abdul Jamil
Karina Lauren Akers
Ionne Arakelyan
Melissa Nicole Creus Babiera
Lois Min Bai
Armin Baktashian
Georgia Grace Batson
Isabella Anne Bockman
Trevor Robert Burnes
Alicya R. Burt
June Joo-Eun Chang
Timothy Chao
Jose Miguel Chevalier
Hojin Choi
Vincent Min Chow
Hiep Minh Dong
Stephanie Yuewen Du
Emily Rose Dunn
Kalea Rose Fajardo
Francisco Javier Ubongen Galang
David Wu Gao

Spencer Rafi Goldrich
Sarah Jade Hakim
Paige Elizabeth Heimbach
Leroy Joneoes
Mark Keith Keller
Munbae Kim
Abraham A. Kister
Breana Wing-Tse Lee
Corinna Du Lee
Sung Gyung Lee
Sheng Li
Albert Wenlong Ma
Katia Amanda Manner
Chelsea Marie Paygane Marasigan
Kayli Machiko Masuda
Melanie Mesropian
Pavni Misra
Roma M. Modi
Kate Rory Nabours
Henry Nguyen
Yoonseok Oh
Nolan Harrison Origer
Feiyang Ou
Neeraj Padmanabhan
Eric Sanghyuk Park
Marissa McCarty Petty
Ashley Sarah Pezikian

Kenny Quach
Susana Alai Rastelli
Daniel Rodriguez-Carlos
Mitchell James Rogers
Morgan Noel Silverman
Nicholas Anthony Snyder
Nicholas M. Stoner
David H. Sun
Brandon Tjhan
Michael Jamison Teppen
Kenneth Stephen Tjhan
Cameron Jade Tomaneng
Nathaniel Louis Torres
Spencer Garrett Toy
Alan Anh Tran
Ivy Xuan Tran
William Tsai
Carie Tu
Owen Jack Wilborn
Fernaldy Wirawan
Kaitlyn Joyce Wu
Audrick Yang
Elizabeth Zhang

Candidates, Summer 2022

Xuan Mai Thy Le
Amanda Yares
### DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
Bachelor of Science in Civil Engineering

<table>
<thead>
<tr>
<th>Conferring Session</th>
<th>Names</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall 2021</strong></td>
<td>Mona Chahine, Rodger Lee, Kaitlin Marie Raynor, Jasmin Alejandro Valles, Andrew Yee Wong</td>
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<td><strong>Winter 2022</strong></td>
<td>Gary Immanuel, Brian Gabriel Yap Ling, David Martinez, Ki Ja Suzanne Ourdoune</td>
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<tr>
<td><strong>Summer 2022</strong></td>
<td>Nickolas Vincent Borov, Jesus Eduardo Cisneros, Dongwook Kim, Carolyn Salas, Daniel Soto</td>
</tr>
</tbody>
</table>
BACHELOR OF SCIENCE
Department of Computer Science
Bachelor of Science in Computer Science

Conferred, Fall 2021
Jack Charles Arnold
Juan Bai
Sriram Balachandran
Jaden Benjamin Bernal *
Ryan Brennan-Sykes
Andrew Ryan Caylor
Matthew Wei-Sern Cuico Chan
Evan Raymond Charfauros
Matthew Chen
Ming Sum Jessica Cheng *
Christopher Alan Dickens
Alvin Duong
Jasper Quinn Edbrooke
Austin Dante Eral
Jason Yu Huan
Chang Chun Hwang
Michael William Inoue
Sharvani Jha
Seoyoong Jin *
Yiqiao Jin *
Shrenik Manoj Kankaria
Khoa Tien Le
Jiarun Li
Tony Z. Li
Jiahe Liu
Tian Yu Liu ***
Trung Quoc Luong
Colton Padraic Meskell
Utsav Munendra ***

Duc Anh Nguyen
Kian Nikzad
Cody Truong-Cang Pham
Leighton Edwin Quale
Param Tejas Shah *
Alexandria Hui Shen
Richard Chenxi Tang *
David Hung Tung *
Soumya Santoshi Uppuganti
Erica Vellanoweth
Rohit A. Vighne **
Ryan Charles Wakefield *
Charles Ze Qian Wang *
Juwen Wu
Michael Wu **
Catherine Xu
Chanel Young
Xiangkun Zhao

Conferred, Winter 2022
Aryan Arora
Monica Hegde Bellare
Andy Cai
Andrew Ryan Chang ***
Robert Fengsong Chang
Brandon Hyunwoo Chi
Eugene Choi
John Arthur Minhquan Dang
Parth Manoj Deshpande *
Jai Vardhan Fatehpuria

Xuenan Fei
Evan Moshe Friedman
Lawrence Lu Fu **
Keiran James Glynn
Erdi Haciogullari
Kenta Daniel Hayakawa
Ryan Patrick Holland **
Senyang Jiang ***
Prithvi Kannan *
Anthony George Karapetian
Leonid Roy Lucas Krashanoff
Nikhil Sankar Kumar
Wen Hong Lam *
Nathakin Leepreecha
Jonathan Yu-Tseng Liau
Lawrence Lin
Jackelyn D. Liu
Siqi Liu ***
Wenxuan Liu *
Junlan Lu
Guanqun Ma
Nikhil Malhotra *
Anirudh Venkataraman Mani *
Eldon Ngo
Huy Hoai Nguyen
Minsuk Oh
Seiji Samuel Otsu *
Bryan Liu Pan *
Jinbean Park
Aayush Patel
DEPARTMENT OF COMPUTER SCIENCE
Bachelor of Science in Computer Science (continued)

Ziyi Peng
Collin Jacob Prince **
Jeffrey Yufu Qiu
Edward Borja Sabalburo Jr.
Vedant Adwait Sathye
Ishaan Dipak Shah **
Peter Oey-Loong Sutarjo
Yash Tandon
Victor Wayne Tang
Estee Johanna Tcheau
Henry Minh-Khanh Trinh
Alexander Trujillo-Hilleary
Athya Uthayakumar **
Adrienne T. Vuong
Alexandre Sanchis Walsh
Kaitlyn Jeyao Wang
Jonathan Han-Son Wong
Yangchao Wu ****
Frank Siyuan Xing *
Clifford Yin
Mingyang Zhang ***
Qinglin Zhang
Zhiling Zhang
Cindy Ruowei Zheng **
Yichen Zhou *
William Yicheng Zhu *

Candidates, Spring 2022
Kade Biermann Adams 
Daniel Nicholas Linares Adea
Nishchal Agrawal

Yuksel Polat Akbiyik
Michael An
Gurbir Singh Arora
Joshua Michael Aymett
Michael Bao
Nuutti Rory William Barron
Zachary Evan Berger
Godfried D. Boateng
Daniel Joshua Branda
Kayla Gabriela Buki
Sarah Cai
Bella Blanche Calvet
William Xichang Cao
Kevin Patrick Case
Harrison Paul Cassar
Keshav Chakrapani
Shammo Chanda
Sei Hoon Chang
Pranav Reddy Charkupalli
Jonathan Chau
Allison Yirui Chen
Janis Yi Chen
Lingtao Chen
Melody Sze Wei Chen
William Li-Jay Chen
Zian Chen
William Warren Chern
Connor Ryan Chin
Junghun Choi
Katherine Chong
William Hong-En Chong
Vincent Zhan Tai Chung
Daniel Ciao
Ian Conceicao
Jonathan Edward Davies
Edward Thomas Deng
Ruining Ding
Cindi Tian Dong
Chenda Duan
Avery Ezra Einhorn
Matthew Fan
Haocheng Fang
Janet Fang
Alexander Jeffrey Feinfeld
Vivek Joseph Fernandez
Zachary J. Finkelstein
Elior Fureraj
Varun Gnanasekaran
Ana Gu
Dylan Kenneth Gunn
Ricky Ruijie Guo
Albert Chi Hao Han
Amanda Liyuan Han
Ryan Han
Shanxiu He
Jake Alan Herron
Nhat Tan Ho
Youchuan Hu
Maggie Huang
Jonathan Parker Hui
DEPARTMENT OF COMPUTER SCIENCE
Bachelor of Science in Computer Science (continued)

Daniel Garrett Jaffe  Dacheng Lin  Rohit Nema  
Arihant Jain  Jacob Lin  Nathan Sy Ney  
Jason Kyle Jewik  Jody Lin  Andrew Yee Tai Ney  
Andrew Zheng Kan  Joseph Jackie Lin  Alvin Phu Nguyen  
Thomas Yukio Kaneshige  En Ming Liu  Bryan Nguyen  
Joyce Ji Hyun Kang  Hamlin Liu  Lena Ann O’Grady  
Miles Jae Kang  Joshua Yufan Liu  Rachel Anne Oberst  
Sumedha Kanthamneni  Sabrina Liu  Siddharth Pandiya  
Austin Cody Keil  Xintong Liu  Kiarod Amir Pashminehazar  
Christopher Kha  Zhengyang Liu  Marcus Richard Pearce  
Akshat Khaitan  Zihan Liu  Brian Cong Luan Phan  
Rohan Singh Khajuria  Eugene Yukman Lo  Bradley Alexander Pickard  
Anthony Darius Khoshrozech  Christian Santos Loanzon  Matthew Paul Pombo  
Da Yuen Kim  Henry Prescott Loh  Scott Michael Poole  
Seungwon Kim  Yunze Long  Pranit Pugazhendhi  
Seung Hyun Kim  Shannon Shu Lu  Yilong Qin  
Ty Ram Koslowski  Anh Thu Thuy Mac  Muyuan Qiu  
Hanna Sarah Kotesova  Henry S. MacArthur  Jingnong Qu  
Brian Hyukjae Kwon  Nicholas Anthony Mark  Larry Liang Qu  
Valentin Isaac Lagunes  Ritu Mary Mathews  Spurthi Rallapalli  
Yash Lala  Arnav Mathur  Sidharth Ramanan  
Ryan Khang Lam  Alexander Joseph Mikhaev  Ashwin Ranade  
Erl Stanley Lee  Cameron Scott Miller  Jason Matthew Rauchwerk  
Joshua Bohyung Lee  Preet Modi  Ryan Kourosh Riahi  
Roselyn Emerald Lee  Lisha Mohan  Garrett Evan Rifkin  
Samantha Anne Lee  David Christopher Morley  Neeraj Jeetendra Samtani  
Tiffany Chingting Lee  Faraz Umayer Murshed  Anurag Sandireddy  
Kyle Leong  Samritha Nagesh  Mattie Elise Sanseverino  
Kevin Henry Li  Vishal Narayan  Isha A. Satoor  
Vincent Li  Rahul Natarajan  Maanek Singh Sehgal
DEPARTMENT OF COMPUTER SCIENCE
Bachelor of Science in Computer Science (continued)

Nikil Roashan Selvam
Hari Krishna Senthilkumar
Simwon Seok
Nikhita Shanker
Dhruv Sharma
Erika Shen
Yuan Shen
Kimberly Lin Shi
Spencer Jacob Shifs
Stephanie Shin
Nikita Siahaan
Ishnoor Singh
Dhruv Singhania
Daniel Smith
Kedaar Chaitra Sridhar
Rithika Srinivasan
Zhenrong Sun
Amy Wen-Yi Sywe
Lily Takahari
Karen Michelle Tan
Kevin Tang
Dylon Matthew Tjanaka
Svetoslav Svetoslavov Todorov
Ryan Minh Tran
Nelson Nguyen Truong
Ivan Tse
Kendrake Jay Tsui
Sadhana Vadrevu
Nhi Hanh Van
Suraj Arun Vathsra
Joshua Leo Vendrow
Paul Ngo Vu
Zachary Michael Walravens
Xiangyu Wan
Chelsey Yichao Wang
Eric Zhexuan Wang
Matthew Xuehan Wang
Mitchell Wang
Regina Zhongna Wang
Shaodian Wang
Vanessa Wang
William Austin Wang
Yanyu Wang
Ziyan Wang
Patrick Ian Wildenhain
Bryan Bowie Wong
Di Wu
Donghang Wu
Miles Spencer Wu
Jiuyuan Xiao
Maggie Claire Yan
Xiaonan Yang
Elyse Yao
Defne Yazicioglu
Christy Annie Yee
Aurora Beverley Yeh
Joon-Soo Justin Yi
Joshua Y. Young
Yaqi Zhan
Jacob Broadwin Zhang
Jinghao Zhang
Jingwu Zhang
Yu Zhang
Liqi Zhao
Xiaoxiang Zhao
Tanya Zhong
Chenxing Zhou
James Shan Zhou
Xingzhe Zhou
Michelle Qian Zhuang
Matthew Zhuo

Candidates, Summer 2022
Johan Chihan Chiang
Derek Hu
Aleksei Martynchik
David Rheingold
Qing Shi
Adam John Vuilleumier
Conferred, Fall 2021
Omar Camarillo
Puvali Chatterjee
Hannah Faye Sianghio De Castro
Alexander Zilong Ma *

Candidates, Spring 2022
Parth Agrawal
Yunus Zheng-Ren Chang
Yu-Hsi Cheng ♣
Marie Molly Chu ♣
Alberto Diaz
Jack Bryson Gardner
Rodrigo Gonzalez
James Chi-Kao King ♣
Jefferson Kit-On Lee ♣
Jessica Bo-San Lee ♣
Stacy D. Li
Yuhan Liu ♣
Nina Lu
Aarin J. Martinez
Aditya Mishra
Michael Mooc
Sai Giridhar Nadendla
Thien Quang Nguyen
Jongyun Park
Joseph Libert Picchi ♣

Riley Xiang Ryan
Alyssa Ann Schimm
Vaishnavi Tipireddy
Thilan Tran ♣
Jacob E. Wahbeh ♣
Ri Xin Wang ♣
Vanessa Wang
David Buddy Watson
Bryan Jia-Yeh Wong ♣
Kyle Yuk Kuen Wong
Edmond Xie
Edmund Wansing Yim
Simon Yong
Xinghua Yu
Disha Mahesh Zambani
Cindy Zhang ♣
Max Zhang ♣
Rongxiang Zhi ♣
Finnian Gantner Zink

Conferred, Winter 2022
Tyler James Hackett *
Joshua Caleb S. Iglesia
Maria Del Carmen Ignacio
Ryan Lin *
Arnold Jialong Pfahnl ***
Rob Royce
Sana Saeed
David Nhat Anh Tran *
Nancy Alondra Valdez-Perez
Alyssa Mei Yi Wang
Eugene Yang *
Ziyi Yang **

Preetha Srikanth Krishnamurthy
JOINT PROGRAM WITH COMPUTER SCIENCE AND ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENTS
Bachelor of Science in Computer Engineering

Conferred, Fall 2021
Hyounjun Chang *
Francisco Osiel Cruz Tapia
Logan Kenan Hernandez
Hirofumi Koichihara
Michelle C. Lam
Robert Renzo Rabago Rudio

Conferred, Winter 2022
Joshua Allan Futterman
Brandon Hoang Le ***
Arthur Kwanchun Liu
Simran Vijay Parkhe
Robert Nathaniel Peralta *
Khoa D. Quach

Candidates, Spring 2022
Mark Anthony Andal
Justin Isao Aoki
Spencer Carl Atkin
Annie Cai Chen
David E. Chong ♣
Fred Chu
Steven Huang Chu
Gustavo Nicholas Diaz ♣
Elijah John Ellsberry
Justin Hsiao Jianto ♣
Michael Edrick Leonffu
Olivia Wenru Loh
Nathan James Mailhot
William Culver Randall
Juan Carlos Rios Miranda
Sierra Lynn Rose

Anreeta Saseeta Saseetharran ♣
Rachel Nichole Schwall ♣
Matthew Jason Serpe
Mehul Sonowal
Sashwath Narayanmurthy Sundher
Caleb Dang Terrill ♣
Ryan Wing-Gin Tong
Sydney Emma Walsh
Michael Zixing Wang ♣
Kevin Anders Wiranata
Eric Yixuan Zhang
Feiqian Zhu ♣ ♣

Candidates, Summer 2022
Leeksun Cho
Pompiliu Teodor Girlonta
BACHELOR OF SCIENCE
(continued)

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
Bachelor of Science in Electrical Engineering

Conferred, Fall 2021
Jorge Emiliano De Dios Suarez *
Daniel Roger Gregory Dennis Ferguson *
Demyana Gouda
Anthony Kim
Federico Emre Kubin
Zhili Liang
Nam Hoang Nguyen
Tri Nguyen
Kenneth Chunkhang Ong *
Leondi Fungestu Soetojo
Brenden Jarred Stevens
Justin J. Suh
Jameson Zhang ✦ ✦

Conferred, Winter 2022
Madison Hannah Belk
Shahrul Kamil Bin Hassan ***
Arian Jafari Mimandi
Shakeh Kalantarmoradian *
David Kao *
Sivan Emily Levy
Saman Moogahi
Moaddat Zahra Naqvi
Max Edward Schaffer *
Dao Ngoc Vu *
Richard Jung Woo
Zan Xie

Candidates, Spring 2022
Neha Kumar Adhlakha
Obaid Riaz Ahmad
Anton Alberto Alcala ✦
Felipe Pablo Areces ✦
Joshua Chua Austria ✦
Charles Bai ✦
Jack Peter Bailey
Abbas Rajabi Bakhshandeh ✦
Arhison Bharathan ✦
Cameron James Borawski-Pickard
Julian Tae Sung Lee Camacho
Denny Jooyoung Cha ✦
Cindy Chang ✦
Melissa Shelby Chang
Alexander Henry Chen
Kellen Tan Cheng ✦
Alyssa Brianna Chew ✦
Evin Chiappe ✦
Enoch Chu
David Gregory Crofton ✦
Sohum Shwetal Desai ✦
John Paul Dillard
Alan Ba Dinh
Isabel Chiemi Dominik
Cody Shengyao Fan
Saeed Firoozzi ✦
Nicolas Galvis
Ryeder J. Geyer

Melody June Griffith
Megan Emily Gronstad
Vaibhav Gupta ✦
Patrick Anthony Hajali ✦
Lucas J. He
Daniel Steven Hendrickson
Noah Abdelnasser Himed
Derrick Kelly Huynh ✦
Michael Bruce Jewett
David Michael Karalli ✦
Taylor Philip Keppel
Aaron James Kuo
Chelsea Lai
Zachary Wai-Ho Lau
Eric Alexander Lazbin
Gabriel Amir Lazrak
Brian Quang Thai Le
Christina Wing-Yan Lee
Andrew Li
Hancheng Li ✦
Derren Liang
Danna Lin
Justine Lin
Kyin Hui Lin ✦
Jackson Ja Long
Young Sung Lyun ✦
Xiaoya Ma ✦
Chet Alexander MacArthur
Juan Diego Martinez Garza
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
Bachelor of Science in Electrical Engineering (continued)

Brianna McColm  
Ethan Anthony Mitchell  
Avaneesh G. Murugesan  
Connor Arman-Seyed Nasseraddin  
Allison Michelle Noe  
Robert Canberk Ozturk  
Jasanpreet Kaur Pandher  
Evan Clay Panson  
Maguire Evan Papay  
Junha Park  
Guanli Qiao  
Jonathan Simcha Salman  
Anthony Louis Santamaria  
Karalyn Whitney Anne Sawchuk  
Justin Muyot Shao  
Allan Shen  
Ruixuan Shen  
Alyssa Danielle Simmons  
Shantinath Smyth  
Dan Song  
Evan Hao Su  
Alethea Katherine Sung-Miller  
Akira Suzuki  
Andrew Dewen Tang  
Eric Sheng Tang  
Madeline Kyomi Taylor  
Igor Sergeevich Telnykh  
Meredith Rene Tilley  
Draco Tong  
Brendan Hisao Towell  
Vu Huy Tran  
Daivik Parag Vadodaria  
Ravi Varma  
Gillian Marie Vaughn  
Pragathi Venkatesh  
Joshua James Walker  
Allen Tsingyuan Wang  
Winston Mackenzie Wang  
Lucas Liem Wolter  
Michael Chi Hang Wong  
Yonghao Wu  
Isaac D. Xu  
Kangwon Newton Yee  
Yu-Wei Vincent Yeh  
Amy Yu  
Jeffrey Lee Yu  
Jiabao Zhai  
Yunxuan Zhang  
Sylvia Zheng  
Longtai Zhong

Candidates, Summer 2022

Panthu Barua  
Vladimir Blas-Aquino  
Kwonbeen Du  
Tianze Jiao  
Juan David Ortiz Nieves  
Jake Thomas Reilly  
Alexander Yan-Ming Tan  
Harvey Songlin Yu  
Sihan Zhuang
BACHELOR OF SCIENCE (continued)

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING
Bachelor of Science in Materials Engineering

Conferred, Fall 2021
Chen Yu Li *

Conferred, Winter 2022
Lily Terese Demangos
Julia Ting Liang

Candidates, Spring 2022
William Samuel Abbott
Henry G. Ankhelyi
Tanya Alexandra Balandin
Adam Christopher Barsotti
Sydney Madelynne Chang
Mya Michelle Cross
Joana Sofia De Lacerda Lopes Correia
Christopher Desmond Derdena

DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING
Bachelor of Science in Aerospace Engineering

Conferred, Fall 2021
Aidan Carrizales
Jeremi Antonio Garcia
Kevin T. Harvey
Cassandra May Hibbs
Pavan Kumar Jonnalagadda
Andrew Hanna Mourad *
Nik Shadzril Shahmi Bin Nik Adnan
Alexander A. Sergeev *
Saabir Rehman Syed
Ethan Jacob Wilcox

Conferred, Winter 2022
Joshua Paul Bridston
Tara Alexandra Mellor *
Yoav Paz-Priel ***
Michael Robert Pillado

Candidates, Spring 2022
Chris Kyrillos Badroos
Casey James Baldwin
Selin Berk
Charles Alexander Best

Claire Shen
Seth Ari Siegel
Jeremy Aidan Siu
Sarah Noelle Sleboda
Samuel James Sprotte
Kimberly Sung
Zachary Wu
Rongke Xu
Noriki Franklin Yamane
Annie Yuan Zhao
Laura Morales Ceja

Alyssa Rose Boedigheimer
Cameron Thomas Bowers
Hannah Elizabeth Brine
Cristina Marie Bryant
Natalie Adriana Cabral
Sagnik Chakraborty
Yutong Cheng
Megan Arwen DeMott
Brayden Thomas Diver
Jeremy Evan Fernandez
DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING
Bachelor of Science in Aerospace Engineering (continued)

Thomas Edward Freedman
Shanley Dominique Galanto
Paul Hawkins
Benjamin Addison Kooper
Justin Michael Kundert
Karim Kuran
Lok Him Lai
Daniel Lin
Chandler M. Luzsicza
Xiaohan Mei
Alexander William Merenda
Lindsey Elizabeth Morrill

Gavin Alastair Moss
Eden Moyal
Aditya Drumil Munshi
Zak Timothy Myers
Samuel John Newcomer
Konnor Austin Rainville
Luke Pahrut Rivers
Connor Ellis Robertson
Abram Mackay Rogers
Leila Ali Salem
Timothy Aditya Simka
Shai Alexander Skikne

Vivian Waiying To
David Loi Tran
Collin Matthew Turner
Nicholas Gen Wolff
Randa Yousef
Allan Xuyang Zhao

Candidates, Summer 2022
Eric Ali Ghassemieh
Julio Jaimes
Varun Rathi

DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING
Bachelor of Science in Mechanical Engineering

Conferred, Fall 2021
Ryan Daniel Alexander
Justin Charis Chandra
Hwey-Ying Bethany Chang
Jay Dawson
Israel Garcia
Javier Carlos Gomez
Jin Jen
Alysa Kataoka
Amin Ebrahim Khatibi
Niravroh Laha
Justin Hien Lam
Zakary Robert Lang

Jeremy Ryan Lim
Alexis Raquel Lopez
Zhiyang Lu
Xavier Munoz
Timothy Chase Overbeck
Dmitry Rusanov
Cole Makoto Ten
Naravit Vichathorn
Christopher Thomas Webber

Candidates, Spring 2022
Andrew Yeachan Ahn
Jeffrey Michael Anderson
Jack Michael Arnerich
Benjamin Thomas Asdell
Petra Walid Azar
Juan Sebastian Banchs
Robert Alexander Belshaw
Bryce Henry Bernhardt
Sterling Rollyn Butler
Tanner DeGraff Call
Rebecca May Celsi
Dylan Jeremiah Channell

Conferred, Winter 2022
Andrew Steven Barrington
Sean Alexander Mun-San Velandia
Dylan Robert Chao
Kevin John Chen
Iven F. Chen-Van Dyk
Vincent Daniel Cheng
Katrina Victoria Concepcion
Carla Liliane Monique Cornillon
Ethan Joseph Crawford
Duncan Christopher Di Mauro
Sarah Enayati
Howard Arthur Evans
Christian James Fallen
Bryce Andrew Fenenbock
John Henry Field
Nicholas Scott Godshall
Trevor Jay Gomez
Suroosh Shahmardan Goshtasbi
Jacob Eli Greenwood
Varun Gupta
Erin Audrey Hall
Emerson Peter Todd Hardy
Alexander Hedrick
Samantha Mac Hilton
Riley James Hoff
Saurin Robson Holdheim
Dave Nikhil Hong
Justin Jaren Huang
Robert Huang
Sophie Huang
Michael Cameron Hughes
Dorian R. Humbert
Christopher Luke Jawetz
Tyler Jung
Vishal Kackar
Susan Ke
Michelle Min Seo Kim
Nathan Young Jae Kim
Oscar T. Knox White
Phillip Ko
Jonathan Christian Kosasih
Sriram Chowdari Kotta
Gautham Krishnan
Andy Yauhan Kwan
Heidi Hoi-Ying Kwong
Jaein Lee
Thomas Shing-Hong Lee
Angeline Francisco Liu
Jane Juan Liu
Robert James Loiacono
Arthur Louis Lovekin
Ian Nicholas Marshall
Conor Yi-Tung Mc Cartoll
Bennett Jaxon McCarthy
Alexander Angus McClelland
Zoe Adamae McDonald
Dawson Garrett Medlock
Jorge Alonso Mendoza
Naya Menezes
Kian Rod Mohseni
Sruti Munagala
Michael Stephen Munguia
Elizabeth Lee Nail
Joelle Marie Narducci
Brandon Charles Nelson
Jackson Kwang Hui Ng
Johnny Van Nguyen
Kelly Nguyen
Long Van Nguyen
Tommy Van Nguyen
Kate Nicole Nystrom
Richard Allen O’Berg
Sahith Obbu
Liam Matthew Olive
Lorenzo Ontiveros
Alexandra F. Orloff
Heebeom Park
Samuel James Pearson
Ethan Li Peng
Luke Samuel Peterson
Catherine Anthonetta Pihl
Ashley Kate Prouty
Yifei Qian
Alec Sebastian Radtke
Prajakta Vijay Ranade
Jack Joseph Raventos
Katherine Anne Roney
Kevin Rowe
Zak Benjamin Ruiz Rubio
Odalys Sanchez-Mendoza
Stephen William Schatz
Benjamin Joseph Seidl
DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING
Bachelor of Science in Mechanical Engineering (continued)

Jacob Manny Serber
Tyler Jonathon Serfas
Sonika Sethi
Benjamin Ryan Sharp
Shyan Shokrzadeh
Benjamin Laurence Simmons
Rosa Jie Son
Christopher James Stapakis
Jasper Sun
Jingchao Sun
Allaine Guarnes Taduran
Reilly Terao
Karina Hsueh-Ting Ting
Thy Phuong Tran
Roger Tieu Truong
Krystal Bing Yee Tsoi
Jeremiah John Vela-Murphy
Joshua Christopher Von Bergmann
Kenneth Kan Vuong
Orsen Way
Hannah Kathryn Wieck
Yurika Yamada
Shawn Yazdani
Jonathan Yongjoon Yoo
Alyssa Xiao Yu
Chao Yu
Yu Wei Yuan
Zachary Zhao Yuan
Filip Miroslav Zacek
Nicholas Chenlong Zhao

Candidates, Summer 2022
Yuezhong Chen
Matthew Broughton Forbath
Taek Jeong Jung
Alan Leung Wah Kwok
Steve Luis Lopez
Shuhao Lu
Sruthi Mukkamala
Brandon Michael Radford
Chee Jian Tey
William Allen Welch
Annalise Antonia Wulf
AWARDS AND HONORS

SCHOOLWIDE AWARDS
Chancellor’s Service Awards

Nelson Ndukwe Akwari, Doctor of Philosophy, Materials Engineering, Fall 2021
Aryan Arora, Bachelor of Science, Computer Science, Winter 2022
Juan Sebastian Banchs, Bachelor of Science, Mechanical Engineering, Spring 2022
Rakhi Banerjee, Bachelor of Science, Bioengineering Global Health, Spring 2022
Adam Bryce Clements, Bachelor of Science, Bioengineering, Spring 2022
Stephanie Yuewen Du, Bachelor of Science, Chemical Engineering, Spring 2022
Aidan David Hasegawa, Bachelor of Science, Civil Engineering, Spring 2022
Erika Hookasian, Bachelor of Science, Bioengineering, Summer 2022

Griffith Collwyn Hesketh Hughes, Bachelor of Science, Bioengineering, Spring 2022
John Eric Lama, Bachelor of Science, Bioengineering, Spring 2022
Kate Rory Nabours, Bachelor of Science, Chemical Engineering, Spring 2022
Kedaar Chaitra Sridhar, Bachelor of Science, Computer Science, Spring 2022
Matthew Xuehan Wang, Bachelor of Science, Computer Science, Spring 2022
Annie Yuan Zhao, Bachelor of Science, Materials Engineering, Spring 2022

Outstanding Bachelor of Science Degree Recipient

Emily Rose Dunn, Chemical Engineering, Spring 2022

The Harry M. Showman Prize Recipients

Vera Smirnova Koutnik, Doctor of Philosophy, Civil Engineering, Spring 2022
Wenzhong Yan, Doctor of Philosophy, Mechanical Engineering, Summer 2022
Griffith Collwyn Hesketh Hughes, Bachelor of Science, Bioengineering, Spring 2022

The Russell R. O’Neill Distinguished Service Award Recipient

Matthew Xuehan Wang, Bachelor of Science, Computer Science, Spring 2022
SCHOOLWIDE AWARDS (continued)

Engineering Achievement Award for Student Welfare Recipients

Juan Sebastian Banchs, Bachelor of Science, Mechanical Engineering, Spring 2022
Rakhi Banerjee, Bachelor of Science, Bioengineering, Spring 2022
Selin Berk, Bachelor of Science, Aerospace Engineering, Spring 2022
Allison Yirui Chen, Bachelor of Science, Computer Science, Spring 2022
Joana Sofia De Lacerda Lopes Correia, Bachelor of Science, Materials Engineering, Spring 2022
Stephanie Yeuwen Du, Bachelor of Science, Chemical Engineering, Spring 2022
Eric Guillermo Estrada Oajaca, Master of Science, Civil Engineering, Spring 2022
Jack Bryson Gardner, Bachelor of Science, Computer Science and Engineering, Spring 2022
Ryeder J Geyer, Bachelor of Science, Electrical Engineering, Spring 2022
Trevor Jay Gomez, Bachelor of Science, Mechanical Engineering, Spring 2022
Dylan Kenneth Gunn, Bachelor of Science, Computer Science, Spring 2022
Aidan David Hasegawa, Bachelor of Science, Civil Engineering, Spring 2022
Shahrul Kamil Bin Hassan, Bachelor of Science, Electrical Engineering, Winter 2022
Griffith Collwynn Hesketh Hughes, Bachelor of Science, Bioengineering, Spring 2022
Andrew Zheng Kan, Bachelor of Science, Computer Science, Spring 2022
Christine Kim, Bachelor of Science, Computer Science, Spring 2024
Vera Smirnova Koutnik, Doctor of Philosophy, Civil Engineering, Spring 2022
Zachary Wai-Ho Lau, Bachelor of Science, Electrical Engineering, Spring 2022
Angela Chang Lu, Bachelor of Science, Bioengineering, Winter 2022
Steven Moran, Doctor of Philosophy, Electrical and Computer Engineering, Summer 2022
Lindsey Elizabeth Morrill, Bachelor of Science, Aerospace Engineering, Spring 2022
Sruti Munagala, Bachelor of Science, Mechanical Engineering, Spring 2022
Michael Stephen Munguia, Bachelor of Science, Mechanical Engineering, Spring 2022
Kate Rory Nabours, Bachelor of Science, Chemical Engineering, Spring 2022
Joelle Marie Narducci, Bachelor of Science, Mechanical Engineering, Spring 2022
Rohit Nema, Bachelor of Science, Computer Science, Spring 2022
Anabella Noguera, Bachelor of Science, Civil Engineering, Spring 2022
Alexandra F. Orloff, Bachelor of Science, Mechanical Engineering, Spring 2022
Shehan Muradali Parmar, Master of Science, Aerospace Engineering, Spring 2022
Ashley Kate Prouty, Bachelor of Science, Mechanical Engineering, Spring 2022
Spurthi Rallapalli, Bachelor of Science, Computer Science, Spring 2022
Nikhil Roashan Selvam, Bachelor of Science, Computer Science, Spring 2022
Param Tejas Shah, Bachelor of Science, Computer Science, Fall 2021
Benjamin Laurence Simmons, Bachelor of Science, Mechanical Engineering, Spring 2022
Lucas Hubert Tang, Bachelor of Science, Civil Engineering, Spring 2022
Caleb Dang Terrill, Bachelor of Science, Computer Engineering, Spring 2022
Kendrake Jay Tsui, Bachelor of Science, Computer Science, Spring 2022
Gillian Marie Vaughn, Bachelor of Science, Electrical Engineering, Spring 2022
Matt Xuehan Wang, Bachelor of Science, Computer Science, Spring 2022
Yurika Yamada, Bachelor of Science, Mechanical Engineering, Spring 2022
Bryant Jung-Yuan Yang, Bachelor of Science, Civil Engineering, Spring 2022
Annie Yuan Zhao, Bachelor of Science, Materials Engineering, Spring 2022
AWARDS AND HONORS

DEPARTMENT AWARDS

Bioengineering Department

Outstanding Doctor of Philosophy Degree Recipient
Pei Han, Spring 2022

Outstanding Master of Science Degree Recipient
Jasmine Thanh Trinh, Spring 2022

Outstanding Bachelor of Science Degree Recipient
Griffith Collwyn Hesketh Hughes, Spring 2022

Chemical and Biomolecular Engineering Department

Outstanding Doctor of Philosophy Degree Recipient
Siyao (Scarlett) Chen, Spring 2022

Outstanding Master of Science Degree Recipient
Berkay Citmaci, Spring 2022

Outstanding Bachelor of Science Degree Recipient
Emily Rose Dunn, Spring 2022

Civil and Environmental Engineering Department

Outstanding Doctor of Philosophy Degree Recipient
Kayden Haleakala, Spring 2022

Outstanding Master of Science Degree Recipient
Eric Guillermo Estrada Oajaca, Spring 2022

Outstanding Bachelor of Science Degree Recipient
Bryant Jung-Yuan Yang, Spring 2022

Computer Science Department

Outstanding Doctor of Philosophy Degree Recipient
Aayush Jain, Computer Science, Fall 2021

Outstanding Master of Science Degree Recipient
Ruochen Wang, Computer Science, Fall 2021

Outstanding Bachelor of Science Degree Recipients
Brandon Hoang Le, Computer Engineering, Winter 2022
Rohit Nema, Computer Science, Spring 2022
Cindy Zhang, Computer Science and Engineering, Spring 2022

Outstanding Graduate Research Award Degree Recipients
Tal Friedman, Computer Science, Summer 2021
Vidushi Dadu, Computer Science, Summer 2022
Licheng Guo, Computer Science
Siva Kesava Reddy Kakarla, Computer Science, Summer 2022
Electrical and Computer Engineering Department

Outstanding Doctor of Philosophy Degree Recipients
Shi Bu, Electrical and Computer Engineering, Fall 2021
Samer Sarwat Nageeb Hanna, Electrical and Computer Engineering, Fall 2021
Ping-Keng Lu, Electrical and Computer Engineering, Spring 2022

Outstanding Master of Science Degree Recipient
Xingyu Liu, Electrical and Computer Engineering, Spring 2022

Outstanding Bachelor of Science Degree Recipients
Brandon Hoang Le, Computer Engineering, Winter 2022
Dan Song, Electrical Engineering, Spring 2022

Departmental Scholars—Bachelor of Science, Master of Science
Jameson Zhang, Electrical Engineering, Fall 2021
Feiqian Zhu, Computer Engineering, Spring 2022

Christina Huang Memorial Prize Degree Recipient
Brianna McColm, Bachelor of Science, Spring 2022

Materials Science and Engineering Department

Outstanding Doctor of Philosophy Degree Recipients
Jin Huang, Summer 2021
Yepin Zhao, Fall 2021

Outstanding Master of Science Degree Recipient
Anne Cardenas, Spring 2022

Outstanding Bachelor of Science Degree Recipients
Ashvin Nagarajan, Spring 2022
Annie Yuan Zhao, Spring 2022

Departmental Scholar—Bachelor of Science, Master of Science
Ashvin Nagarajan, Spring 2022

Mechanical and Aerospace Engineering Department

Outstanding Doctor of Philosophy Degree Recipients
Stephen Anthony Samples, Aerospace Engineering, Fall 2021
Mathieu Jacques Philippe Le Provost, Mechanical Engineering, Winter 2022

Outstanding Master of Science Degree Recipients
Sarina Kiani, Aerospace Engineering, Fall 2021
Yasamin Foroutani, Mechanical Engineering, Winter 2022

Outstanding Bachelor of Science Degree Recipients
Yoav Paz-Priel, Aerospace Engineering, Winter 2022
Shyan Shokrzadeh, Mechanical Engineering, Spring 2022

Departmental Scholars—Bachelor of Science, Master of Science
Ryan Daniel Alexander, Mechanical Engineering, Fall 2021
Juan Sebastian Banchs, Mechanical Engineering, Spring 2022
Master of Engineering

Outstanding Master of Engineering Degree Recipient
Gorkem Camli, Summer 2022

Schoolwide Master of Science in Engineering Program

Outstanding Master of Science in Engineering Degree Recipients
Daniel Craigie Kivlovitz, Spring 2022
Austin David Pennington, Spring 2022