2023 Computer Science Award Ceremony

Agenda

- 9:30-10am Coffee & pastries
- 10-10:20am: Introduction and Welcome
  - Interim Dean Pollock, College of Engineering
  - Prof. Tevfik Bultan, Department Chair
- 10:20-11:20am: Graduate Awards - Prof. Chandra Krintz
  - Graduate Alumni Awards (MS & PhD)
  - Outstanding BS/MS student
    - In memory of Caitlin Scarberry
- 11:20am-12pm: Undergrad Awards - Prof. Misha Sra
  - Undergraduate Alumni Award
Applications to Computer Science programs are at an all time high! In terms of number of applications received by academic units:

- **CS ranks 1st among graduate programs at UCSB**
  - ~2K applications
  - ~20% of all grad applications to UCSB

- **CS ranks 2nd among undergraduate programs at UCSB**
  - 10K+ applications
  - 10-fold increase the previous decade
UCSB CS class of 2026:

- Among 5000+ UCSB freshmen, there are only 54 Regents Scholars, and 39 of them are CS students!
Undergraduate Enrollments

# BS Degrees Awarded

- Avg. Incoming Freshman GPA: 4.42
- Avg. Cumulative GPA: 3.65
PhD & MS Demand, Enrollment & Degrees Awarded
Computer Science is the Growth Engine of the College of Engineering
● **Jonathan Balkind**, Assistant Professor, Phd 2020 Princeton, Area: computer architecture, programming languages, operating systems

● **Shiyu Chang**, Assistant Professor, Phd 2016 UIUC, Area: machine learning, artificial intelligence, natural language processing, computer vision

● **Lei Li**, Assistant Professor, Phd 2011 CMU, Area: artificial intelligence, machine learning and natural language processing

● **Eric Vigoda**, Professor, Phd 1999 UC Berkeley, Area: randomized algorithms, computational complexity
2022

- PhD 2018 Rutgers University
- Area: computational science education, data science education, human information behavior

Ziad Matni
Teaching Professor
2023

- PhD 2020 University of Calgary
- Research Area: high-performance scientific computing, data privacy and embedded ethics

Maryam Majedi
Teaching Professor
New Affiliated Faculty

Haewon Jeong, Assistant Professor, Department of Electrical and Computer Engineering

Yao Qin, Assistant Professor, Department of Electrical and Computer Engineering
Outstanding Staff

Greta Carl-Halle
Business Officer

Sheryl Montoya
Financial Services Manager

Maritza Fuljencio
Student Affairs Manager

Alexander Molenaar
Contracts & Grants Manager

Mackenzie Christie
Contracts and Grants Analyst

Bryan Salazar Pazmino
Undergraduate Program Coordinator

Hanna Wong
Undergraduate Advisor

Bella Cardoso
Graduate Advisor

Rosalia Torres
Financial Administrator

Jasmine Moreno
Communications & Special Events Assistant

Debra Nordyke
Academic Personnel & Operations Coordinator

Tim Robinson
Coordinator, Seclab & Network Science Research Group

Roxanne Morales
Personnel Coordinator

Laura Langan
Administrative Assistant, Crml

Noah Spahn
Software Engineer, Seclab
Outstanding Research

Michael Beyeler Receives $1.5 Million NIH Grant to Develop Bionic Eye

OCTOBER 8, 2022
This article was originally published by Andrew Massula with The Current.

The NIH National Eye Institute has awarded the University of California, San Diego, a five-year grant of $1.5 million to develop a "bionic eye." The grant will support research on the development of a prosthetic eye that can restore vision to individuals who are blind.

The NSERC-funded team, led by Jonathan Balkind, is working on a project called "Deep Learning for Ocular Imaging." Their goal is to develop a system that can identify and track diseases in the eye, which could help in the early detection and treatment of conditions such as diabetic retinopathy and macular degeneration.

Jonathan Balkind Receives NSF Early CAREER Award to Go Faster in the Cloud

March 23, 2023

In an era of ever-increasing data, the ability to process and analyze that data quickly and efficiently is crucial. That is why NSF has awarded Jonathan Balkind, assistant professor in the UC Santa Barbara Computer Science Department, a five-year, $450,000 Early CAREER award to develop new algorithms for cloud computing.

"This is my first funded NSF proposal and was the first time I made a submission for the CAREER award," Balkind said. "It is my hope that this project will not only advance the field of cloud computing but also contribute to the broader goal of making technology more accessible and user-friendly.

An Empowering Fellowship

Thursday, October 13, 2022

Fuheng Zhao, a third-year PhD student in UC Santa Barbara's Computer Science (CS) Department, has been awarded a prestigious Microsoft Research PhD Fellowship. The fellowship provides two years of tuition and fees, and provides an annual stipend of $42,000. Fellows also receive support for research activities and collaborations with Microsoft researchers.

Marianne Arriola Received NSF’s Prestigious Graduate Research Fellowship

APRIL 4, 2023

Marianne Arriola, who is working on "Dynamic Life" with Professor Arvind Singh, is the proud recipient of NSF’s prestigious Graduate Research Fellowship. She is a computing student at the College of Creative Studies (CCS) and a UCSD CSSP (CS)-CSSP intern. The research interests are in computational biology, data mining, applied machine learning, and dynamic systems modeling.

The fellowship aims to support a diverse and high-achieving scientific and engineering workforce, particularly in underrepresented groups.

CS Alumnus Wenhu Chen Named Canada CIFAR AI Chair

OCTOBER 31, 2022

Wenhu Chen, a CS alumnus from the University of California, Berkeley, has been named as the new Chair of the Canada CIFAR AI Chair. Chen is a professor of computer science at the University of Toronto and a member of the University’s Machine Learning Department.

"I am honored to have the opportunity to lead the CIFAR AI Chair and to contribute to the development of artificial intelligence research in Canada," Chen said. "We are at a critical moment in the history of AI, and we must ensure that we are leading the way in this important and rapidly evolving field.

Ashley Bruce is a recent graduate from UCSD and a Software Engineer at Veeva. Michael Beyeler is an Assistant Professor in Computer Science and Psychological & Brain Sciences at the University of California, Santa Barbara. Ashley and Michael spoke to us ahead of their poster presentation this afternoon about their work exploring the optimal arrangement of electrodes in epiretinal prostheses.
Stellar Students

Udit Paul, Jiamo Liu, Arpit Gupta and Elizabeth Belding receive Best Long Paper Award at ACM Internet Measurement Conference 2022

Yimeng Liu Named Finalist for Qualcomm Innovation Fellowship

CS Student Anisha Kabir Named Honorable Mention for Outstanding Undergraduate Researcher Award

Zichen Chen Receives the Innovative Application of AI Award from AAAI

Congratulations to our 2023 summit.cs Winners

Gauchos Places 2nd in AlexaPrize SimBot Challenge

Congratulations to UCSB team GauchosAI, who placed 2nd in the AlexaPrize SimBot Challenge. The team, led by Professor Xinfeng Yan and Professor William Wang, was awarded $100,000 for their innovative work on the next generation of virtual assistants.
Faculty Accomplishments

Assist. Prof. Arpit Gupta
- ACM Internet Measurement Conference - Best (Long) Paper Award
- IRTF - Applied Networking Research Prize
- ACM CCS - Best Paper Honorable Mention Award

Assist. Prof. Lei Li
Amazon Research Award

Assist. Prof. Lingqi Yan
ACM SIGGRAPH - Best Paper Honorable Mention

Prof. Elizabeth Belding
ACM Internet Measurement Conference - Best (Long) Paper Award

Prof. Tobias Höllerer
Induction to the IEEE VGTC VR Academy
Faculty Accomplishments

**Prof. Timothy Sherwood**
ACM - Elevated to Fellow

**Assist. Prof. Misha Sra**
- NSF Early CAREER Award
- Hellman Family Faculty Fellowship

**Prof. Xifeng Yan**
- VLDB Test of Time Award
- Alexa Prize SocialBot Grand Challenge Award
- Alexa Prize SimBot Challenge 2nd Place

**Assist. Prof. Michael Beyeler**
NIH Director’s New Innovator Award

**Assist. Prof. Jonathan Balkind**
NSF Early CAREER Award

**Assist. Prof. Yu Feng**
ACM SIGPLAN Conference on Programming Language Design and Implementation Distinguished Paper Award

UC SANTA BARBARA
Computer Science
Graduating seniors in every undergraduate degree program in UC Santa Barbara’s College of Engineering select one outstanding faculty member each spring.

Diba Mirza was selected to receive the 2022-23 Computer Science Department’s Outstanding Faculty of the Year Award. This marked the fourth time in the past five years that Diba has received the commendation.

Diba Mirza
Associate Teaching Professor
Faculty Accomplishments

• Received the British Computer Society’s prestigious Karen Spärck Jones Award, named after the pioneer of information retrieval.

• Received the CRA’s Undergraduate Research Faculty Mentoring Award for his dedication to exceptional mentorship.

• Co-supervised the team that was awarded 2nd place in the Alexa Prize SimBot Challenge.
Accomplishments of CS Alumni

Mohammad Javad Amiri
Assist. Prof. at Stony Brook University
Joined CS Department

Mai El Sherief
Assist. Prof. at Northeastern University
Joined CS Department

Justin Tjoa
NSF CSGrad4US Fellowship

Wenhu Chen
Canada CIFAR AI Chair

Xin Eric Wang
Assist. Prof. at UC Santa Cruz
Supervised the team that was Awarded 3rd place in the Alexa Prize SimBot Challenge
Agent-based Cyber Threat Intelligence and Operation (ACTION) Institute

L to R: Professors Ambuj Singh, Christopher Kruegel, João Hespanha, Giovanni Vigna
Computer Science Presents:
Distinguished Graduate Alumni Awards
Sanjay Suri is the CTO of Nykaa. He is an Internet Entrepreneur based in New Delhi. He earned his bachelor's degree in Mathematics and Masters degree in Computer Science in India before coming to UCSB, where he graduated with a MS in Computer Science.

Over his career of 25 years he has worked both in the US and India across large technology giants - Oracle Corp and Amazon - and multiple startups. He has spent more than half his professional life in startups and he attributes his affinity to startup life to his spirit of Adventure.

He is an avid trail runner, triathlete and spends a substantial time trekking and bike packing.
Dr. Luca Foschini is president and CEO of Sage Bionetworks. Prior to this, he co-founded and served as Chief Data Scientist at Evidation for 10 years. Dr. Foschini’s has focused on digital medicine, particularly in the areas of data collection and analysis methodology. He has co-authored more than 70 peer-reviewed articles and given talks on topics including machine learning in healthcare, continuous health monitoring, and privacy in high-dimensional data.

Luca holds a PhD in Computer Science from UCSB and a Master’s degree in Computer Engineering from the Sant’Anna School of Pisa. He has also conducted theoretical computer science and cybersecurity research in academia and industry, including research positions at Google and Ask.com.
Computer Science Presents:
Graduate Student Awards
2022-23 Graduate Student External Awards

Zichen Chen
Advisor: Misha Sra
Selected as the 2023 AAAI recipient of the Innovative Applications of Artificial Intelligence Award. IAAI honors case-study papers that describe deployed AI technology applications with measurable benefits.

Sharon Levy
Advisor: William Wang
Selected as one of 150 women nationwide invited to the 2022 Rising Stars in Electrical Engineering and Computer Science (EECS) Workshop and hosted by UT Austin.

Yimeng Liu
Advisor: Misha Sra
Selected as the 2022 Qualcomm Innovation Fellowship Finalist, which invests in University PhD students and their forward thinking ideas.
2022-23 Graduate Student External Awards

**Fuheng Zhao**
Advisors: Divy Agrawal & Amr El Abbadi
Selected as one of 36 recipients globally of the Microsoft Research Fellowship, presented to exemplary students to acknowledge their contributions & provide funding for their research.

**GauchoAI Team**
Advisors: Xifeng Yan and William Wang
Selected as the 2nd place team in the worldwide Alexa Prize SimBot Challenge. The Alexa Prize is a unique industry-academia partnership program which provides an agile real-world experimentation framework and tools for accelerating scientific discovery. University students have the opportunity to launch innovations online and rapidly adapt based on feedback from Alexa customers. The SimBot Challenge’s goal is to advance the development of next-generation virtual assistants that help humans complete real-world tasks by continuously learning.
2022-23 Graduate Student Campus Fellowship Awards

Yeganeh Aghamohammadi
Advisor: Jonathan Balkind
Selected for a Graduate Research Accelerator Fellowship

Joyce Passananti
Advisor: Tobias Hollerer
Selected for a Graduate Research Mentor Program Fellowship

Galen Pogoncheff
Advisor: Michael Beyeler
Selected for a Graduate Research Accelerator Fellowship

Yuke Wang
Advisor: Yufei Ding
Selected for a Graduate Dissertation Fellowship

UC SANTA BARBARA
Computer Science
UCSB 2023 University Award of Distinction

• Presented annually to graduating graduate students in recognition of excellence to students who have made an outstanding contribution to a particular area of UCSB student life and community activities.

• The awards recognize academic achievements along with in-depth or focused involvement and significant achievement in campus or community activities.

• Alex is involved in the CS Early Research Scholar Program (ERSP), as well as completing his own graduate research including publishing papers, and also has been an Undergraduate Learning Assistant and a Teaching Assistant for CS

Alex Mei
Advisor: William Wang
College of Engineering
Outstanding Teaching Assistant

- Presented annually in recognition of excellence as a Teaching Assistant, as selected by the graduating seniors in Computer Science

- **From students:** “Junrui is one of the best TA’s I’ve worked with throughout my undergrad. He always goes above and beyond in helping students. He is extremely accommodating with his office hours, going so far as to be available for whole days to help students with assignments. He is very patient when explaining difficult concepts and is always available and reachable over Slack. Without his help, I would not have enjoyed or learned as much from this class.”

Junrui Liu
Advisor: Yu Feng
Computer Science Outstanding TA Co-Award

- Presented annually in recognition of excellence as a Department of Computer Science Teaching Assistant

- **From faculty:** “Alex’s innovative approach to teaching is truly impressive… What sets Alex apart from other TAs is their unwavering commitment to student success. Alex is without a doubt the best TA I have had the privilege of working with in my 15 years in academia.”

- **From students:** “He is always very clear and explains the questions completely. Alex is very responsive and designed great materials. He made sure to spend time with every student and answer all their questions. He explained things thoroughly and provided resources. He understood all the course material very well and was a great teacher. Alex was the best!”

Alex Mei
Advisor: William Wang

UC SANTA BARBARA
Computer Science
Computer Science Outstanding TA Co-Award

- Presented annually in recognition of excellence as a Department of Computer Science Teaching Assistant

- **From faculty:** “Under her preparation and demonstration, we were able to run the machine problem and its automatic evaluation using gradescope platform and real datasets for training neural network models. Krushna completed a great effort in making the course better and helping our students learn more.”

- **From students:** “Krushna did a great job teaching and her section was run well. She is amazing, patient and very nice. She is good at explaining ML concepts and terminology for homework.”

Krushna Chirag Shah
Instructor: Lei Li
Computer Science Outstanding Publication Co-Award

- Presented annually in recognition of excellence as a main contributor of a paper accepted or published in 2022-23
- Lead author Robert McLaughlin
- For the paper titled “A Large Scale Study of the Ethereum Arbitrage Ecosystem” which appeared at USENIX Security 2023
- Co-authors: Christopher Kruegel and Giovanni Vigna

Robert McLaughlin
Advisors: Christopher Kruegel and Giovanni Vigna
Computer Science Outstanding Publication Co-Award

- Presented annually in recognition of excellence as a main contributor of a paper accepted or published in 2022-23
- Lead author Udit Paul
- For the paper titled "The Importance of Contextualization of Crowdsourced Active Speed Test Measurements"
  - The paper received the Distinguished Paper Award at the 2022 ACM Internet Measurement Conference
- Co-authors: Jaimo Liu, Mengyang Gu, Arpit Gupta and Elizabeth Belding
Computer Science Outstanding Mentoring Award

- Presented annually in recognition of significant contributions to mentoring undergraduate students

- **From faculty:** Sharon “has mentored a total of 14 undergraduate students for their Computer Science research in the last three years. By mentoring, I mean that every single week she devoted numerous hours of her time to talk to these students, and guide their research... Under her guidance, 9 students have published 5 papers at computer science venues, which consistently have acceptance rates lower than 25%.”

- **From students:** “Sharon excels by being responsive and always making time for her mentees for any questions we may have; she is willing to dive deep into technical issues that arise and frequently provides invaluable insights to help strengthen our research projects.”

- Sharon also won the competitive 2023 UCSB Graduate Division Fiona & Michael Goodchild Campus Graduate Mentoring Award, which recognizes one PhD student each year campus-wide that has distinguished themselves as a mentor of undergraduates

Sharon Levy
Advisor: William Wang

UC SANTA BARBARA
Computer Science
Computer Science Outstanding Dissertation Co-Award

- Presented annually in recognition of a Ph.D. dissertation of technical excellence and high impact
- **Thesis topic:** “Responsible AI via Responsible Large Language Models”
- Sharon is a leading scholar in the emerging area of Responsible AI with international reputations and she has published 16 top conference and journal papers at premier venues in Artificial Intelligence.
- UCSB has acknowledged Sharon’s research with three distinct fellowship awards: the Regents Fellowship in Computer Science, the Holbrook Foundation Fellowship, and the Amazon Fellowship
- Sharon will complete a postdoc at Johns Hopkins in 2023 and has accepted an Assistant Professor position at Rutgers University in 2024

Sharon Levy
Advisor: William Wang
Computer Science Outstanding Dissertation Co-Award

- Presented annually in recognition of a Ph.D. dissertation of technical excellence and high impact
- **Thesis topic:** “Assessing the Presence and Extent of Digital Inequity”
- Udit’s dissertation research is addressing critical and timely problems around digital inequity in the U.S.
- He developed a broadband-plan querying tool (BQT) and this work has revolutionized the ability to analyze Internet Service Provider’s (ISPs) pricing trends, discovering wide-scale digital redlining.
- The information from his dissertation can arm residents, communities, and local governments with the data they need to challenge ISPs about over-stated coverage and poorly performing home connectivity.

**Udit Paul**
Advisor: Elizabeth Belding

UC SANTA BARBARA
Computer Science
The Caitlin Scarberry Memorial Award

• The *Caitlin Scarberry Memorial Award* was established to honor the memory of Caitlin Scarberry, a 2019 UCSB BS/MS graduate in Computer Science, who died from brain cancer in 2021. Caitlin’s prime motivation was to make a positive impact on the world and to encourage other women to follow her path to pursue careers in Computer Science and Engineering.

• This award is presented annually to an outstanding BS/MS student who has excelled in their academics as well as in research, teaching, and/or impact to diversity, equity, and inclusion (DEI)
The Caitlin Scarberry Memorial Award: Computer Science BS/MS Student of the Year

• Presented annually in memory of Caitlin Scarberry and in recognition of an outstanding BS/MS student who has excelled in their academics in addition to research, teaching, and/or DEI

Contributions:

• **Research**: Alex has published two first-authored papers at top AI conferences with another THREE papers under review. He is by far the most passionate research student ... [and will likely] become the most influential AI researcher in the history of our BS/MS classes

• **TA/ULA Performance**: Alex has been a ULA/TA for 4 quarters: (for CS8, CS16, CS165B, and CS190I special topics). Alex is the best TA that I have experienced ... at UCSB

• **Course Performance**: he ranks #1 in his class with 4.0 GPA with mostly A+ in his courses.

• **Participation in DEI Related Activities**: Alex spends more than 5-10 hours per week mentoring ERSP students, a program dedicated to promoting diversity in CS

Alex Mei
Advisor: William Wang

UC SANTA BARBARA
Computer Science
Computer Science MS Student of the Year

- Presented annually in recognition of a Masters student who has excelled in both research and either department service or teaching.

- **From faculty:** "Reeva was my TA for multiple quarters and is one of the best TAs I have ever had, her MS project was just mind blowing (she built this whole healthcare system herself). She has a 4.0 in our program with multiple A+ grades. She is a brilliant, kind, thoughtful, creative, and driven individual."

- "I learned from Reeva that you can do a master project in a way that is full of passion, leadership and great execution. I will take her project as a role model for my future MS projects."

Reeva Mishra
Advisor: Xifeng Yan
Computer Science PhD Student of the Year

• Presented annually in recognition of a Ph.D. student who has excelled in both research and either department service or teaching

• From faculty: “Yanju’s research is in the general field of software engineering (SWE) and programming languages (PL)… Yanju’s award-winning work has made outstanding contributions in tackling some of the key challenges in program synthesis.”

• Yanju published ten papers in all of the top conferences in SWE and PL: PLDI, OOPSLA, CAV, FSE, ASPLOS, and Security & Privacy
  • He won the ACM SIGPLAN distinguished paper award at PLDI 2022.

• He was the teaching assistant for a wide range of CS courses including a special topics course in program synthesis, PL, data structures, introductory programming, CS foundations, and an introductory CS course for non-majors

Yanju Chen
Advisor: Yu Feng

UC SANTA BARBARA
Computer Science
Congratulations to our graduates!

PhD Grads

Hojjat Aghakhani  
Dheeraj Baby  
Priyanka Bose  
Yanyu Chen  
Zhuowei C.  
Dipanjan Das  
Will Eiers  
Zexi Huang  
Mert Kosan  
Luis Larios Cardenas  
Sharon Levy  
Shiyang Li  
Sikun Lin  
Chong Liu  
Isaac Mackey  
Austin McEver  
Udit Paul  
Rachel Redberg  
Nazmus Saquib  
Esther Showalter  
Shlomi Steinberg  
Yuqing Wang  
Hong Wang  
Ming Yin  
Chris Zhang
Congratulations to our graduates!

Nagarjun Avaraddy
Satyam Awasthi
Navya Battula
Nikunj Baid
Lijuan Cheng
Avishek De
Tyler Ekaireb
Lara Floegel-Shetty
Vinothini Gunasekaran
Aaron Jimenez
Ajit Jadhav
Apoorva Jakalannanavar
Kaiwen Li
Sydney Lim
Shichang Liu
Xinyu Liu
Yanchen Lu
Zechen Ma
Sunil Madhow
Deept Mahendiratta
Samridhi Maheshwari
Sara Mandic
Alex Mei
Reeva Mishra
Iris Moini-Nazeri
Lucas Nguyen
Surya Pugal
Lianke Qin
Leron Reznikov
Vivian Ross
Tina Shi
Madori Spiker
Yuval Steinhart
Shubham Talbar
Avani Tanna
Rhys Tracy
Katie Turnlund
Arjun Vellore Baabu Prakash
Sharath Vemula
Nathan Wachholz
Kyle Wong
Jiaxin Wu
Bryan Xu
Saikumar Yadugiri
Rory Zahedi
Eddie Zhang
Henry Zhang
Jiarui Zhu
Computer Science Presents:

Distinguished Undergraduate Alumnus Award
CS Distinguished Undergraduate Alumnus Award

Michael Rosengarten
Founder and CEO, Camino Technologies
UCSB: BS CS 2010

During his time at UCSB, Michael served in a number of service roles in our community, including as President of UCSB's ACM Chapter. Since graduating from UCSB CS in 2010, Michael first worked at Yahoo, before becoming a Co-Founder and CTO at OpenGov. He served as Founder and CEO of Persista before most recently founding his startup, Camino Technologies.

Camino’s mission is "Economic development is critical to creating safe and vibrant communities. That's why we’re building the next generation of technology to power the permitting process: beautiful, intuitive, and intelligent software that cuts down growing workloads while seamlessly connecting citizens with their governments."

UC SANTA BARBARA
Computer Science
Computer Science Presents:
Undergraduate Student Awards
Computing Research Association's Outstanding Researcher Award Honorable Mention

- This prestigious award program recognizes undergraduate students in North American colleges and universities who show outstanding research potential in an area of computing research.
- Anisha started in research through the Early Research Scholars Program, working in Natural Language Processing. Her team's paper, "Mitigating Covertly Unsafe Text within Natural Language Systems" was published in EMNLP 2022.

Anisha Kabir
Honorable Mention
Advisor: William Wang

UC SANTA BARBARA
Computer Science
Barry Goldwater National Scholarship and Excellence in Education

- The Barry Goldwater Scholarship and Excellence in Education Foundation was established by Congress in 1986 to serve as a living memorial to honor the lifetime work of Senator Barry Goldwater.
- Marianne was selected as one of 417 undergraduate student recipients across the nation.
- “The Goldwater scholarship reinforced my goal to obtain a PhD.”

Marianne Arriola
Advisor: Ambuj Singh
National Science Foundation
Graduate Research Fellowship Program

- The NSF Graduate Research Fellowship Program (GRFP) 5-year fellowship seeks to ensure the quality, vitality, and diversity of the scientific and engineering workforce of the United States.
- Marianne Arriola is a Computing student in the College of Creative Studies (CCS) and a UCSB CSEP research intern. Her research interests are in computational biology, data mining, applied machine learning, and dynamical systems modeling.

Marianne Arriola
Advisor: Ambuj Singh

UC SANTA BARBARA
Computer Science
UCSB Chancellor’s Award for Excellence in Undergraduate Research

• Presented to four distinguished undergraduate researchers each year at UCSB, intended to honor exemplary contributions to research in their discipline.

• Research contribution: started research via Early Research Scholars Program (ERSP) in natural language processing (NLP) and with NLP research group. Research paper was accepted by the International Conference on Learning Representations (ICLR) in 2023 and presented his work at the event.

Matthew Ho
Advisor: William Wang
UCSB 2023 University Award of Distinction

- Presented annually to graduating students in recognition of excellence and who have made an outstanding contribution to a particular area of UCSB student life and community activities.
College of Engineering
Outstanding Senior Award

• Presented annually by the College to the graduating senior(s) with the highest cumulative grade point average from each degree program.

Nicholas Brown
College of Engineering
Hynes-Wood Award

• Presented annually by the Engineering Student Council in recognition of outstanding contributions to student activities in the College of Engineering.

Shivani Sista
CS Capstone Projects

Innovative solutions to real industry problems

Instructors

Capstone Sponsors

UC SANTA BARBARA
Computer Science
CS Capstone Projects

Innovative solutions to real industry problems

Best Project: TRANQUILITEA

- **Partner:** Artera
- **Team:** Heather Dinh (Lead), Victoria Reed (Scribe), Archana Neupane, John Rollinson, Samar Khan
- **Project Overview:** Create an app that by reducing anxiety levels of patients will hopefully serve to better mental health. Through this app, patients can visualize their improvement over several days as their biometric data analysis and self-reflections will be recorded.
CS Distinction in the Major Capstone Track

Nicholas Brown
Forta Network

Michael Curtis
Artera

Heather Dinh
Artera

Bowen Duanmu
Algorand

Jason Dunne
Appfolio

UC SANTA BARBARA
Computer Science
CS Distinction in the Major Capstone Track

Xichen He
Algorand

Alejandro Rojas Rodriguez
Forta Network

Arjun Singh
Allthenticate

Ning Xia
Algorand

Simon Yu
Allthenticate
CS Distinction in the Major Research Track

Isaiah Garcia
Advisor: Arpit Gupta

Matthew Ho
Advisor: William Wang

Yifan Ke
Advisor: Shiyu Chang

Kevin Lai
Advisor: Eric Vigoda
CS Distinction in the Major Research Track

Ethan Meade
Advisor: Michael Beyeler

Rowan Tran
Advisor: Prabhanjan Ananth

Xiyue Wang
Advisor: Xifeng Yan

Haotian Xia
Advisors: Linda Petzold and Yuan-Fang Wang
Computer Science Outstanding Undergraduate Research Award

- Presented annually in recognition of outstanding contributions, and sustained commitment and excellence in research contributions.

- Marianne has focused on computational biology and deep learning for 3D vision and has made contributions in the space of machine learning for graphs. After graduation, she will join Cornell University's PhD program.

Marianne Arriola
Advisors: Ambuj Singh
Computer Science Outstanding Mentor Award

In recognition of outstanding and sustained teaching and mentorship

Zackary Glazewski

Bryan Zamora Flores
Computer Science Student of the Year

- Presented annually in recognition of outstanding leadership, excellence in academics and research, and performing “above and beyond the call of duty” when engaging with students and the CS community

- Shivani is an Engineering Honors student, and her participation includes: President of UCSB Society of Women Engineers (SWE), CS Early Research Scholar Program (ERSP), CS Bionic Vision Lab (Research), and UCSB Pops Orchestra (violin)

- After graduating in 2024, plans to either attend medical school or pursue a graduate degree involving research in the medical and bioengineering fields.

Shivani Sista
Advisor: Michael Beyeler
Thank you for joining us!

Event Organizers

Prof. Chandra Krintz
Prof. Misha Sra
Maritza Fuljencio
Greta Halle

Bella Cardoso
Bryan Salazar Pazmino
Hanna Wong
Jasmine Moreno
Debra Nordyke
UC SANTA BARBARA