2024 Computer Science Award Ceremony

Agenda

- 9:00-9:20 am: Introduction and Welcome
  - Dean Umesh Mishra, College of Engineering
  - Diba Mirza, Undergrad Vice-Chair
- 9:20-10:00 am: Phill Conrad
  - Undergraduate Alumni Award
  - Graduate Alumni Awards (MS & PhD)
- 10:00-10:30 am: Daniel Lokshtanov
  - Graduate Awards
  - Outstanding BS/MS student (in memory of Caitlin Scarberry)
- 10:30-11:00 am: Jonathan Balkind
  - Undergrad Awards
- **Dahlia Malkhi**, Professor, PhD The Hebrew University of Jerusalem. Area: operating systems and distributed systems; security and cryptography.

- **Wenbo Guo**, Assistant Professor, PhD Penn State University. Area: machine learning and data mining; security and cryptography.

- **Murphy Niu**, Assistant Professor, PhD MIT. Area: algorithms and theory; computer architecture; machine learning and data mining; quantum computing.
Outstanding Staff

Greta Carl-Halle
Business Officer

Brooke Wallace
Personnel Administrator

Alexandra Grigore
Contracts & Grants Manager

Sheryl Montoya
Financial Services Manager

Jennifer Torres
Personnel Coordinator

Angelina Aguilera
Academic Personnel & Operations Coordinator

Rosalia Torres
Financial Administrator

Ken Knight
Contracts and Grants Analyst

Ernesto Diaz
Contracts and Grants Analyst
George Tzimpragos honored with ACM SIGARCH/IEEE CS TCCA Outstanding Dissertation Award

AUGUST 16, 2023
Congratulations to George Tzimpragos for the ACM SIGARCH/IEEE CS TCCA Outstanding Dissertation Award!

This award recognizes excellent thesis research by doctoral candidates in the field of computer architecture. Thays is an awesome recognition of the outstanding research contributions of George's UCSC thesis, "Computing with Temporal Operators." Such a major achievement marks a significant step forward in our understanding of how computer systems can be designed to better handle tasks that involve time.

George recently finished his Ph.D. as an assistant professor in the Electrical Engineering and Computer Science Department at the University of Windsor, also in Canada.

Outstanding Research

Professor William Wang receives Pierre-Simon Laplace Early Career Technical Achievement Award

SEPTEMBER 11, 2023
Professor William Wang has been selected for the 2023 IEEE Signal Processing Society’s Pierre-Simon Laplace Early Career Technical Achievement Award, which honors individuals who have made significant technical contributions within their field early in their careers. The award recognizes Professor Wang for “his contributions to the development of scalable algorithms in neural network processing.”

“I’m extremely honored for this major award from IEEE SP,” Wang says. “I have been very fortunate to work with some amazing colleagues and students over the past few years. I have learned a tremendous amount from them.”

Related People
William Wang

Misha Sra receives 2023-24 Hellman Fellowship

NOVEMBER 29, 2023
Congratulations to Misha Sra, assistant professor in the Computer Science Department, for being one of nine UC Santa Barbara faculty recipients of the 2023-24 Hellman Fellowship! The Hellman Fellowship is designed to support early- to mid-career faculty who have shown a strong potential for great distinction in their work. Misha has been a highly influential faculty member at UC Santa Barbara.

Related People
Misha Sra

NSF awards $300,000 demonstration project grant to collaboration involving UCSB Computer Science professor Richart Wang

SEPTEMBER 1, 2023
The Broadening Participation in Computing demonstration project, a collaboration between California State University Chico and UC Santa Barbara, has been awarded a National Science Foundation grant of $300,000. Led by UCSB associate professor Richard Wang and Chico associate professor Bren Buerkle, the project team will focus on increasing representation, relevance, and equity in computer sciences by framing high school instruction practices from the perspective of women and Hispanic students.

The project will develop instructional devices that facilitate university students from marginalized backgrounds sharing four core concepts vital to their future studies. This project aims to enable culturally relevant instructional practices into AP Computer Science classes by partnering with a high school program.

NSF CAREER Award

UCS B Computer Science makes strong showing at NeurIPS 2023

APRIL 14, 2023
Congratulations Professor Chris Kruegel

Congratulations Prabhbanjan Ananth

NSF CAREER Award

Congratulations Prabhbanjan Ananth

2023 ACM Fellow

Disva Agrawal, Amr El Abbadi, and Mohammad Javad Amiri receive Outstanding Paper Award from NSDI ’24

APRIL 12, 2024
Liangming Pan wins IJCNLP-AACL Area Chair’s Award for paper investigating the challenge of misinformation

NOVEMBER 6, 2023
Congratulations Professor Chris Kruegel

Congratulations Prabhbanjan Ananth

UCS B Computer Science makes strong showing at NeurIPS 2023

APRIL 12, 2023
UC Santa Barbara Computer Science is set to make a strong showing at this year’s Neural Information Processing Systems (NeurIPS) annual meeting, with 20 papers accepted at the prestigious conference. With contributions from professors William Wang, Yu-Xiong Wang, Shih-Chao, and Michael Beyeler on topics as wide ranging as text-to-image evaluation, privacy, and predictive models of visual cortex neural activity, UCSB’s efforts mirror the broad scope of the conference itself.
Stellar Students

Congratulations UC Santa Barbara students and teams for their achievements in various competitions.

**UCSB’s Logic Wardens takes second place at 2023 CSAW Logic Locking competition**

Now in its twenty-second year, CSAW is a comprehensive student-run cybersecurity event, attracting participants from around the globe for competitions such as Capture the Flag, Play IT Black, Applied Research, and Hack It Like It. In the logic locking competition, participants attempted to break logic locking designs created to protect the intellectual property of integrated circuits.

For the 2023 competition, UCSB’s Logic Wardens team consisted of computer science Ph.D. students Yegheno Agbenorhoun and Jihun Deokmorun. Agbenorhoun is a member of the MELODy Lab. She is advised by Jonathan Flanagan, and her research focuses on secure hardware. Deokmorun is a part of the Systems and Networking Lab, where he is advised by Raghav Khanna. His research is in machine learning and networking.

"We are honored to have secured second place in CSAW 2023 Logic Locking Competition, a testament to the dedication and skill of our team," says Flanagan. "Competing in this field can only push us to our limits but showcase the depth of talent fostered by the UC Santa Barbara Computer Science Department."

**Congratulations to UCSB’s Isaac Hair**

2024 CRA Outstanding Undergraduate Researcher Runner Up

**Congratulations to UCSB’s Matthew Ho & Shivani Sista**

2024 CRA Outstanding Undergraduate Researcher Honorable Mentions

**2023 Rising Star in Machine Learning**

Alexa Prize SocialBot Grand Challenge 5 First Place Overall

Congratulations UCSB GauchoChat Team!

**2024 Presidential Postdoc Fellowship**

Atieh Taheri

**CONGRATULATIONS TO THE WINNERS OF THE**

**NEAL FENZI RESONANT FELLOWSHIP**

Michael Saxon, Zach Sisco, & Vaishali Surianarayanan

For outstanding contributions to making the Computer Science Department a vibrant, welcoming, and inclusive place for work and study

**First Place**

AI Community of Practice Spring Symposium 2024

"Tailored Education: Using AI to Manage Large Classes and Support Individual Needs"

**Congratulations Tianle Yu**

UCSB Ph.D. candidate

**Congratulations to Wanrong Zhu**

UCSB Ph.D. candidate
Faculty Accomplishments

Dist. Prof. Amr El Abbadi
IEEE MDM 2024 Test of Time Award
NSDI 24 Outstanding Paper

Prof. & Chair Divy Agrawal
IEEE MDM 2024 Test of Time Award
NSDI 24 Outstanding Paper

Prof. Xifeng Yan
Advisor to GauchOn Chat team, first place overall in Amazon’s Alexa Prize SocialBot Grand Challenge 5

Assoc. Teaching Prof. Richert Wang
- NSF demonstration project grant for Broadening Participation in Computing
- 2024 Distinguished Teaching Award

Prof. William Wang
2023 IEEE SPS Pierre-Simon Laplace Early Career Technical Achievement Award

Assist. Prof. Misha Sra
2023 Hellman Fellowship
Faculty Accomplishments

**Assoc. Teaching Prof. Diba Mirza**
Co-PI NSF grant for Integrated Networking, Scholarship, and Peer Mentoring of First-Year Engineers

**Assist. Prof. Jonathan Balkind**
Class of 2024
Outstanding Faculty Award

**Prof. Chris Kruegel**
2023 ACM Fellow

**Assist. Prof. Prabhanjan Ananth**
NSF Early CAREER Award

**Assist. Prof. Wenbo Guo**
1st place 17th Intl. Workshop on Search-Based and Fuzz Testing

**Prof. Elizabeth Belding**
PI on NSF grant for Integrated Networking, Scholarship, and Peer Mentoring of First-Year Engineers

**Assoc. Teaching Prof. Diba Mirza**
Co-PI NSF grant for Integrated Networking, Scholarship, and Peer Mentoring of First-Year Engineers
Accomplishments of CS Alumni

Mohammad Javad Amiri  
Assist. Prof. at Stony Brook  
NSDI 24 Outstanding Paper  
Advisors: Prof. Amr El Abbadi and Divy Agrawal

George Tzimpragos  
ACM SIGARCH/IEEE CS TCCA Outstanding Dissertation Award  
Advisor: Prof. Timothy Sherwood

Shoji Nishimura  
IEEE MDM 2024 Test of Time Award  
Advisors: Prof. Amr El Abbadi and Divy Agrawal

Sudipto Das  
IEEE MDM 2024 Test of Time Award  
Advisors: Prof. Amr El Abbadi and Divy Agrawal
Computer Science Presents:

Distinguished Alumni Awards

Teaching Professor,
Co-chair, Undergraduate Affairs Committee
CS Distinguished Undergraduate Alumnus Award

John Yoder
CTO, Cofounder: Constructable
UCSB: BS CS 2005
UCSB: MS CS 2006

• CTO and Cofounder of Constructable, an"AI Co-Pilot for the construction industry." (May 2023, YC 23)
• AppFolio (9 years, 5 months)
  • Senior Software Engineer (Jan 2014)
  • Tech Lead (Jan 2015)
  • Director of Engineering (Apr 2015)
  • VP Engineering (Mar 2017)
  • Principal, Product Growth Initiatives (Nov 2021)
• Citrix Online (Jul 2006 - Jan 2014, 7 years, 6 months)
Computer Science Distinguished MS Alumnus Award

Maureen Heymans

MS in Computer Science in 2002, resulting in research article: “Deriving phylogenetic trees from the similarity analysis of metabolic pathways”, cited > 200 times!

Since 2003 - Google (after being rejected > once!).

VP of Engineering and Product in the Learning & Sustainability department at Google, managing teams of > several hundred engineers, PMs, +

Leading initiatives to revolutionize learning and education - harnessing AI to create personalized tutors for every student and teaching assistants to empower every teacher, ultimately democratizing access to quality education.

UC SANTA BARBARA
Computer Science
Computer Science Distinguished PhD Alumnus Award

Daniel Nurmi

PhD in Computer Science in 2009, focusing on large scale systems.

Co-Founder of Eucalyptus systems - employed 150 people here in Goleta (many from UCSB), sold to HP in 2016.

Co-founder of Anchore - also in Santa Barbara - Anchore is the basis for US policy that requires the securing of containerized deployments.
Computer Science Presents:
Graduate Student Awards
2023-24 Graduate Student External Awards

Wanrong Zhu
Advisor: William Wang
Selected as one of 8 women nationwide invited to the 2023 Rising Stars in Machine Learning Workshop and hosted by University of Maryland - College Park

Michael Saxon
Advisor: William Wang
Selected as recipients of the Neal Fenzi - Resonant Founder Fellowship, awarded to a Computer Science graduate student (PhD, MS or BS/MS with grad standing) who has made outstanding contributions to making the Computer Science department a vibrant, welcoming and inclusive place for work and study

Zach Sisco
Advisors: Jonathan Balkind and Ben Hardekopf

Vaishali Surianarayanan
Advisor: Daniel Lokshtanov

UC SANTA BARBARA
Computer Science
2023-24 Graduate Student External Awards

Yeganeh Aghamohammadi
Advisor: Jonathan Balkind
Selected as the 2nd Place US/Canada team (Logic Wardens) at the CSAW’23 Logic Locking Competition at NYU

Jaber Daneshamoooz
Advisor: Arpit Gupta
Selected as the 2nd Place US/Canada team (Logic Wardens) at the CSAW’23 Logic Locking Competition at NYU

Ryan Keeney
Advisor: Daniel Lokshtanov
Selected as the WG 2024 50th International Workshop on Graph-Theoretic Concepts in Computer Science, Best Student Paper Award
2023-24 Graduate Student External Awards

Bowen Zhang
Advisors: BS Manjunath
Selected as the 2024 UCSB 25th Annual New Venture Competition (NVC) Finals - EyeClimate Team 1st Place

Joyce Passananti
Advisor: Tobias Höllerer
Selected for National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP) Fellow

Haarika Manda
Advisors: Elizabeth Belding and Arpit Gupta
Selected for National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP) Fellow
Selected as the 1st place team in the worldwide Alexa Prize SocialBot Grand Challenge 5.

The Alexa Prize is a unique industry-academia partnership program which provides an agile real-world experimentation framework and tools for accelerating scientific discovery.

The SocialBot Challenge’s goal is to build socialbots with the aim of providing a compelling interactive multimodal and conversational user experience, integrating speech with visuals. Teams pursued a broad range of approaches including emotive avatars, synchronized graphics and multimedia, image generation, and multimodal dialogue using hints and touch input.

GauchoChat Team: Rajan Saini, Hong Wang, Marina Zhukova, Weizhi Wang
Advisor: Xifeng Yan
College of Engineering
Outstanding Teaching Assistant

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

• From students: “He really cares about his students and is an amazing lecturer during his sections... Junrui is always there to help students during office hours. He makes learning really fun and easy... It's the sort of class that makes you feel glad to be a student at UCSB. Thank you so much for being an amazing CS TA!”

• This is the 2nd year in a row Junrui has won the award, and the first time a CS grad student has won the award back-to-back since 2015!

• “I'm extremely fortunate and honored to teach something that I'm deeply passionate about and to receive this award”

Junrui Liu
Advisor: Yu Feng

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:** “He worked incredibly hard to make sure he was prepared and was ready to help the students at every turn (labs, projects, section, class/exam, everything!). His discussion sections were regularly filled as students were eager to get his help and guidance (and to just chat with him!). He was always super kind and patient and he made my class significantly better.”

- **From students:** “Vinayak helped me understand the material from a conceptual perspective and his slides were always really well put together... Provided lots of help and suggestions for some bugs I had with a few of the labs... Thanks for being an excellent TA!”

Vinayak Gajjewar
Advisors: Chandra Krintz and Rich Wolski

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:** “Trysten embodies the qualities every professor hopes to see in a TA: Passion, Professionalism, Independence, Supportiveness, knowledge, creativity, diligence, respectfulness, and empathy. Among all the TAs I have worked with, Trysten stands out as an individual who combines knowledge, modesty, and genuine care for the students.”

- **From students:** “One of the things I loved about Trysten is he answers questions in such a way where you never felt bad about asking the question!... Trysten’s approach showed me how effective it is to create a supportive and encouraging learning environment... One of the best TA’s I ever had”

**Trysten Hess**  
Instructor: Maryam Majedi
Computer Science Outstanding TA Co-Award

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

• From faculty: “Galen demonstrated exceptional dedication to student success. His proactive approach not only helped students who were struggling but also enhanced the overall academic performance of the class. His technical expertise and genuine interest in student advancement have significantly contributed to the positive learning environment in this large and challenging upper-division course.”

• From students: “Galen’s commitment to providing detailed, helpful information right from the beginning has made a significant positive impact on our learning experience... Galen was an exceptional TA, always well prepared to answer questions and help out any students who were confused. Gave fantastic reviews during section and always broke down class material in a way that was easily digestible.”

Galen Pogoncheff
Advisor: Michael Beyeler

UC SANTA BARBARA
Computer Science
Computer Science Outstanding Publication Award

• Presented annually in recognition of excellence as a main contributor of a paper accepted or published in 2023-24

• For the paper titled “Large Language Models Are Latent Variable Models: Explaining and Finding Good Demonstrations for In-Context Learning”, which addresses one of the pivotal challenges in the field of artificial intelligence: enhancing the reliability and effectiveness of in-context learning in large language models (LLMs).

• Accepted at the 37th Conference on Neural Information Processing Systems (NeurIPS 2023) and it has already received 100 highly influential citations from Stanford, Google Deepmind, UW, Harvard, and Berkeley.
Computer Science Outstanding Mentoring Co-Award

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

• **From faculty:** “One of Arthur’s greatest strengths lies in his ability to connect with students on a personal level and help them identify their unique research interests. By taking the time to understand each student's strengths, goals, and aspirations, Arthur is able to determine which component of a research project best aligns with the student's individual needs and passions. Arthur’s mentoring is exceptional, evident in his ability to empathize, listen actively, gain respect and trust, encourage and support students.”

• **From students:** “I am extremely grateful for Arthur’s guidance, support and encouragement over the last one year. His mentoring has profoundly impacted my academic journey and has helped shape my research interests and aspirations.”

Arthur Caetano
Advisor: Misha Sra

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

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

• From faculty: “Radha has demonstrated in my lab over and over again over the years that she is and will continue to be a stellar research mentor and organizer. Radha continues to bring her ideas, organizational talent, and values to our undergraduates by encouraging them to embark on research, and mentors them through the experience towards excellence.”

• From students: “Radha's mentorship has been nothing short of extraordinary. Beyond helping us with critical decision making, her extensive support included minutely addressing significant details throughout the project execution... Radha always strives to assist us, rather than direct us; every decision we've made has been as a team, and Radha has always been there to facilitate our discussions. It is this comprehensive approach to mentorship that truly sets her apart.”

Radha Kumaran
Advisor: Tobias Höllerer
Computer Science Outstanding Dissertation Co-Award

• Presented annually in recognition of a Ph.D. dissertation of technical excellence and high impact

• Thesis topic: “Bridging Strong Privacy with Scalability for Online Data Services”

• Ishtiyaque’s research lies at the intersection of distributed systems, data management, and cryptography. More specifically, his research focuses on building large-scale data systems that prioritize strong privacy for end-users.

• His publication list includes the top system conferences: ACM SOSP, USENIX OSDI, VLDB, and the top computer architecture conference: ISCA.

• IBM PhD Fellowship recipient and previous CS Dept Outstanding Publication award winner.

• Ishtiyaque has accepted an Assistant Professor position at UC Santa Cruz in 2024

Ishtiyaque Ahmad
Advisors: Divy Agrawal and Trinabh Gupta
Computer Science Outstanding Dissertation Co-Award

- Presented annually in recognition of a Ph.D. dissertation of technical excellence and high impact

- **Thesis topic:** “Controllable Visual Editing via Natural Language ”

- Tsu-Jui’s dissertation research is addressing natural language processing NLP and computer vision with a primary focus on vision-language and text-guided visual editing.

- He is the author of 34 top conference papers with 1,661+ citations, including ACL, NAACL, EACL, EMNLP, ECCV, AAAI, CVPR, NeurIPS, CoRL, ACCV, and WACV.

- His ICLR 2024 spotlight MGIE paper was influential: his model is being deployed by Apple to 1.46 billion iPhone users around the world

- Will start at Apple after graduation

Tsu-Jui Fu
Advisor: William Wang

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**: Database Range and Aggregation Queries using Homomorphic Aggregation. (Manuscript in preparation)
- **Faculty quotes**: “I was amazed how quickly he learned and digested the subtleties of the mathematics involved without losing track of the systems ramifications of these complex operations.”
  “If Erwan was in our PhD program -- the work he has done as part of his BS/MS project work would comprise 1/4 (to 1/3) of a PhD thesis.”
- **TA/ULA Performance**: 130A with Prof. Divyakant Agrawal
- **Course Performance**: 3.96 GPA

Erwan Fraisse
Advisors: Divy Agrawal and Amr El Abbadi

UC SANTA BARBARA
Computer Science
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**: Top 5% Paper (out of 4,000+ submissions) at ICLR 2023, one of the top-tier AI conferences in the world, currently preparing a submission for NeurIPS 2024. Aditya was part of the Early Research Scholars Program (ERSP)
• **TA/ULA Performance**: CS 148 with Prof. Tobias Höllerer, CS 130A with Prof. Ambuj Singh
• **Internship**: successfully completed three software engineering internships at Google (Gmail and Google Assistant Text-to-Speech teams).
• **Course Performance**: 4.0 GPA.

UC SANTA BARBARA
Computer Science

Aditya Sharma
Advisor: William Wang
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:** “In my grad class on Parameterized Algorithms, Ryan would always be the one to catch my mistakes, and often find nice and elegant ways to correct them.”

• Best student paper award at WG 2024: “Degreewidth on Semi-Complete Digraphs” where he resolves two open problems about the “degewidth” of tournaments

• Also served as a Teaching Assistant for various classes on algorithms, programming, and discrete mathematics

Ryan Keeney
Advisors: Daniel Lokshtanov and Eric Vigoda
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: “In his research, Zach has established two entirely new research areas, Hardware Decompilation and Control Logic Synthesis. It’s rare for a student to be able to establish a single one, never mind two... He is an amazing student all round”

- Zack published one paper in PLDI 2023 (a top PL venue) and a second paper is conditionally accepted for ASPLOS 2025 (a top architecture venue)

- Mentors grad and undergraduate students: “Zach’s mentorship and deep knowledge both grew my technical skills and inspired me to continue in research and pursue a PhD for which I am incredibly grateful.”

- Served as the CS Lead TA for two academic years, and has also been both a TA and Associate instructor of record for a wide range of CS courses

- Also helped with student events and dept Grad Student Association events

Zach Sisco
Advisors: Jonathan Balkind and Ben Hardekopf

UC SANTA BARBARA
Computer Science
Congratulations to our graduates!

**PhD Grads**

Ishtiyaque Ahmad  
Alon Albalak  
Yaoyi Bai  
Tsu-Jui Fu  
Peter Gartland  
Úrsula Hébert-Johnson  
Sean Jaffe

Kunlong Liu  
Yifan Qiao  
Chinmay Sonar  
Noah Stier  
Yi-Lin Tuan  
Yuke Wang  
Anbang Wu

Aiwen Xu  
Jianyu Xu  
Yingrui Yang  
Xinlu Zhang  
Xuandong Zhao  
Wanrong Zhu  
Yuqing Zhu
Congratulations to our graduates!

**MS Grads**

Kimia Afshari  
Andrew Alex  
Anika Arora  
Brian Chen  
Calvin Dougher  
Shereen ElSayed  
Xinlei Feng  
Erwan Fraisse  
Momin Haider  
Yon Harlicaj  
Trysten Hess  
Shinda Huang  
Tao Huang  
Bhavye Jain  
Rutvik Jha  
Ryan Keeney  
Noa Kim  
Brian Lee  
Daniel Lohn  
Zechen Ma  
Zihan Ma  
Ethan Meade  
Khalid Mihlar  
Jake Miller  
Harsha Miryala  
Sahil Naik  
Taanya Nithya  
Anand  
Andrew Peng  
Carina Quan  
Vihaan Akshaay  
Rajendiran  
Connor Rapelje  
Josiah Ross  
Aman Sariya  
Krushna Shah  
Aditya Sharma  
Thanawat  
Techaumnuaiwit  
Vasilis Samaras  
Kenny Wang  
Chengyuan Xu  
Huanhua Xu  
Luke Yoffe  
Xuanhe Zhou
We will now take a very short pause

- If you need to leave to get ready for the graduate school commencement, **you may do so now.**

- If you are staying for the undergraduate awards, **please remain seated.**

- The ceremony will resume in a moment.
Computer Science Presents:
Undergraduate Student Awards
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.
• Isaac was selected as one of 417 undergraduate student recipients across the nation.
• “The Goldwater scholarship reinforced my goal to obtain a PhD.”

Isaac Hair
Advisors:
Daniel Lokshtanov,
Timothy Chan,
Jonathan Balkind
Computing Research Association’s Outstanding Undergraduate Researcher Award

• This prestigious award program recognizes undergraduate students in North American colleges and universities who show outstanding research potential in an area of computing research.

Shivani Sista
Honorable Mention
Advisor: Michael Beyeler

Matthew Ho
Honorable Mention
Advisor: William Wang

Isaac Hair
Runner Up
Advisors: Jonathan Balkind, Daniel Lokshtanov, Timothy Chan
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: Built a novel hardware-software fault tolerance mechanism. Worked across high-level data center modelling, programming language design, and hardware prototyping.

Guy Wilks
Advisor: Jonathan Balkind

National Science Foundation Graduate Research Fellowship Program Honorable Mention

- The NSF Graduate Research Fellowship Program (GRFP) seeks to ensure the quality, vitality, and diversity of the scientific and engineering workforce of the United States.
College of Engineering
Outstanding Senior Award in Computer Science

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

Jonathan Cheng  Arik Cheslog  Andy Ouyang  Ivy Wang
CS Capstone Projects

Innovative solutions to real industry problems

Capstone Sponsors

Instructors

Prof. Tevfik Bultan

Prof. Giovanni Vigna

UC SANTA BARBARA
Computer Science
CS Capstone Projects

Innovative solutions to real industry problems

Best Project: Realty Reel

- **Partner**: Appfolio
- **Team**: Jacob Eisner (Lead), Iain Weissburg (Scribe), Liam Pang-Naylor, James Ellenstein, Yuki Keung, Brandon Son
- **Project Overview**: A user-friendly platform designed for property owners who seek an efficient way to create high-quality promotional videos for their listings. By simply uploading photos, videos, and accompanying descriptions, users can leverage our AI-driven system to produce polished videos complete with AI-generated voice overs, seamless transitions, and professional-grade color correction.
CS Distinction in the Major Capstone Track

Robert Briggs
Artera

Lawrence Chen
Forta

Jonathan Cheng
Aziksa

Dan Le
Appfolio

Daniel Li
Appfolio

Vince Nguyen
Appfolio
CS Distinction in the Major Capstone Track

Heather Nguyen
Terawe

Aashay Parab
Aziksa

Shivani Sista
Artera

Gita Supramaniam
Artera

Jai Uparkar
Terawe

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

Joseph Foster
Advisor: Ambuj Singh

Krishna Dhulipala
Advisor: Jonathan Balkind

Andy Ouyang
Advisor: William Wang

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

Ivy Wang
Advisor: Michael Beyeler

Guy Wilks
Advisor: Jonathan Balkind

Andrew Yu
Advisor: Phillip Conrad
Computer Science Outstanding Undergraduate Research Award Honorable Mention

Laya Pullela
Advisor: Michael Beyeler

Yunhao Luo
Advisor: Misha Sra

Guy Wilks
Advisor: Jonathan Balkind

Gabriel Pizarro
Advisor: Giovanni Vigna

UC SANTA BARBARA
Computer Science
Computer Science Outstanding Undergraduate Research Award

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

• Danny Rose
  • First Author paper at EMNLP 2023, a top AI conference
  • Central role in “Visual Chain of Thought” project

• Isaac Hair
  • First Author paper at ISCA 2024, a top computer architecture conference
  • Co-author on paper at SOCG 2024, a top computational geometry venue
Computer Science Outstanding Mentor Award

In recognition of outstanding and sustained teaching and mentorship

Nominated based on:

- care for students
- contributions to the auto-grader system
- developed AI system to deliver personalized experiences to students in large courses

Tianle Yu
nominated by Maryam Majedi

UCSB AI Community of Practice Spring Symposium 2024

AI Digital Presentation Competition 1st Place Project

developed AI system to deliver personalized experiences to students in large courses

Tianle Yu
Advisor: Maryam Majedi
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

• Vaishnavi Himakunthala
  • Co-president of Women in Computer Science (WiCS) at UCSB
  • External Vice President of the Society of Society of Women Engineers (SWE)
  • First-authored EMNLP paper 2023

"Vaishnavi is a beacon for positive change who uses her problem-solving skills, voice, and creativity for social good. Most notably she has strived to understand and highlight issues related to climate and mental health using data-driven approaches."

UC SANTA BARBARA
Computer Science
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

- **Zackary Glazewski**
  - LA for 6 quarters, and lead LA for 1 quarter
  - Co-author, SIGCSE 2024 paper
  - Served the CS department through recruiting events, teaching professors interviews
  - Graduating with a 4.0 GPA

"Zack is an exemplary student, mentor and collaborator who has made significant contributions to CS education (pedagogy, curriculum, and research) at UCSB. He is an independent and creative thinker who strives for excellence in academics and beyond."

UC SANTA BARBARA
Computer Science
Thank you for joining us!

Event Organizers

Diba Mirza
Phill Conrad
Daniel Lokshtanov
Jonathan Balkind
Greta Halle

Maritza Fuljencio
Bella Cardoso
Bryan Salazar Pazmino
Hanna Wong
Michael Ray
Angelina Aguilera