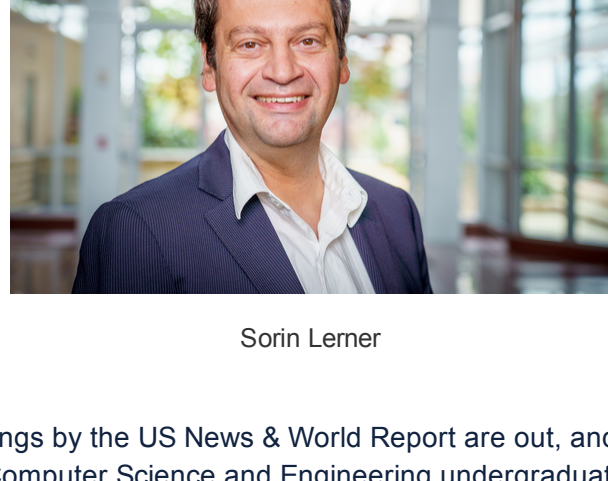


Message from the Chair

We started Fall 2022 at full speed, and there's no stopping us. Our building is filling up again with exciting in-person activities – the Beginning of the Year Celebration, student organizations running events, companies recruiting in-person, classrooms full of students, research labs exploring bold new directions. Gerald Soosai Raj and I are teaching about 600 students in 8A, and the energy is palpable. Seeing a 200-person auditorium full of students, without an empty seat, is exciting and invigorating!



Sorin Lerner

We have an exciting newsletter with many new achievements. The undergraduate rankings by the US News & World Report are out, and they rank the UC San Diego Department of Computer Science and Engineering undergraduate program in the top 10 nationwide in several specialties, including artificial intelligence, computer systems, and mobile/web applications. (Recall from last Spring that our graduate program went from 30th in 1994 to 11th in 2022, and we are ranked 4th in the metrics-based csrankings.org.) And we just finished our yearly one-page brochure, which we publish every fall. I highly encourage you to click [here](#) to see it.

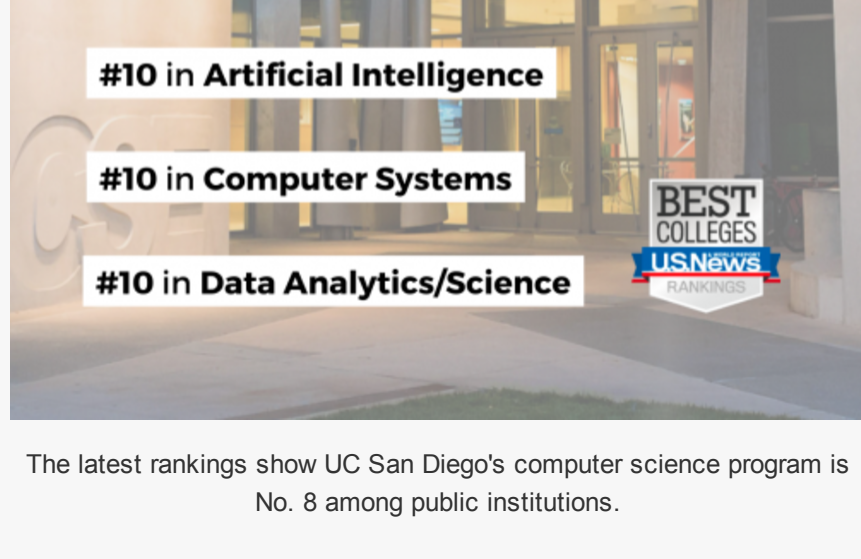
This year is a big one for us, as we celebrate our 35th birthday. We will have a large event in the Spring quarter to celebrate our birthday, and the path we have taken here. In the meantime, let us continue to inspire each other to reach new heights.

I look forward to seeing you all soon. Please keep in touch!

Sorin Lerner, CSE Department Chair

Stay connected with CSE by following our [Twitter](#), [Facebook](#), [LinkedIn](#) and [Instagram](#) feeds. If you have news, story ideas or comments for our CSE Communications Team, please send them to cse-communications@eng.ucsd.edu.

CSE NEWS



The latest rankings show UC San Diego's computer science program is No. 8 among public institutions.

Four CSE Undergrad Specialties in Top 10 in Latest US News & World Report Rankings

The [US News & World Report](#) ranks UC San Diego's CSE undergraduate program in the [top 10 nationwide](#) in several specialties, including artificial intelligence, computer systems, mobile and web applications and data analytics/science.

Making the Computerized World Safer: Earlence Fernandes Joins CSE

[Earlence Fernandes](#), a new CSE assistant professor, is tackling one of computer science's most pressing challenges: how to make this computerized world safe for everyone. His research focuses on computer security from a systems perspective and aims to resolve potential problems at the design level.

CSE Research Catalyzes Protopia AI Startup and Earns Gartner Mentions

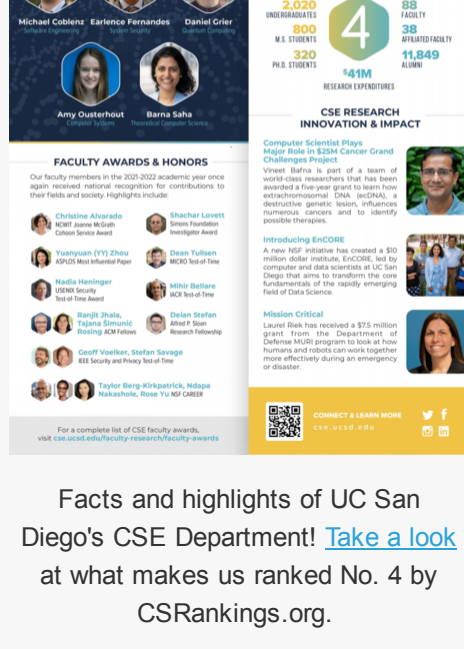
Professor Hadi Esmailzadeh and co-founder Eiman Ebrahimi launched their software startup, [Protopia AI](#), to address privacy issues surrounding AI analytics while maintaining inference accuracy. The software, based on Esmailzadeh's CSE paper, [Shredder: Learning Noise Distributions to Protect Inference Privacy](#), has earned the fledgling company two mentions from Gartner.

Math-Computer Science Student Named to Hacking Top 50 List

UC San Diego math-computer science student [Faris Ashai](#) was recently featured in 2022's Major League Hacking (MLH) Top 50, a list recognizing the top new computer scientists and hackers.

Yu-Ying Yeh: CSE's Newest Recipient of Prestigious Google Fellowship

Yu-Ying Yeh, a CSE Ph.D. student, has been awarded a 2022 Google Fellowship in Machine Perception, Speech Technology and Computer Vision. Read more about her award [here](#).



Facts and highlights of UC San Diego's CSE Department! [Take a look](#) at what makes us ranked No. 4 by CSRankings.org.

NOTEWORTHY

Professor [Vineet Bafna](#) was a corresponding author on a new study published in *Nature Genetics* which used mathematical modeling, simulations, and experiments to explain some of the mechanisms that can make extrachromosomal DNA (ecDNA) so dangerous.

Assistant Professor [Earlence Fernandes](#) is a 2022 recipient of two prestigious awards: the National Science Foundation CAREER Award for his research, "Security and Privacy Foundations of Internet-Scale User-Centered Automation" and an Amazon Research Award for his proposal "Verifiable Distributed Computation."

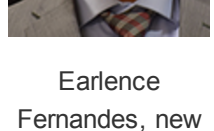
A team of savvy CSE students earned one of ten coveted spots in the non-stop, 48-hour [Student Cluster Competition](#) at the 2022 Supercomputing Conference. The team, named 2-Much-\$\$\$\$, was represented by [Edward Burns](#), [Stefanie Dao](#), [Longtian Bay](#), [Yuchen Jing](#), [Davut Margarjan](#) and [Matthew Mikhailov](#) and mentored by [Bryan Chin](#) and [Mary Thomas](#).

[Engineers for Exploration](#) hosted their 2022 Summer Research Presentations showcasing projects related to acoustic wildlife monitoring, underwater 3D cameras, animal tracking using radio telemetry and an intelligent surfboard fin.

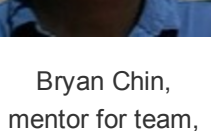
Congratulations to alumna [Angelique Taylor](#) as she joins Cornell Tech as an assistant professor for the 2022-2023 school year.



Vineet Bafna, published in *Nature Genetics*



Earlence Fernandes, new faculty member



Bryan Chin, mentor for team, 2-Much-\$\$\$\$

CENTER FOR NETWORKED SYSTEMS



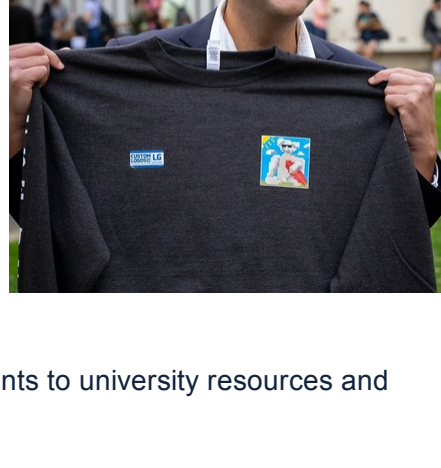
José Santana Sosa: First Recipient of Two Alan Turing Memorial Scholarships

CSE undergrad [José Santana Sosa](#) has received the 2022-2023 [Alan Turing Memorial Scholarship](#) from the Center for Networked Systems (CNS). He is also the inaugural recipient of CNS's first ever Alan Turing Memorial Teradata Scholarship. The two scholarships were established in memory of Alan Turing, the co-founder of computer science who was persecuted for his orientation as a gay man.

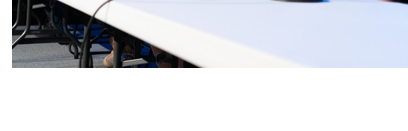
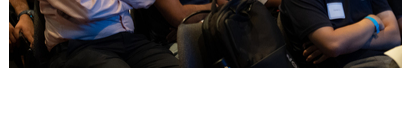
"I am privileged to be part of this effort to bring visibility to the LGBTQ+ community and how impactful we have been throughout history," said Santana Sosa, who was recognized by CNS Co-Directors Stefan Savage and George Porter with the two awards.

TRITON WEEKS OF WELCOME

While **Triton Weeks of Welcome** (TWOV) gave university students a taste of UC San Diego's vibrant and diverse campus life, CSE WOWed students with several events (below) of its own. Welcome to our new and returning students!



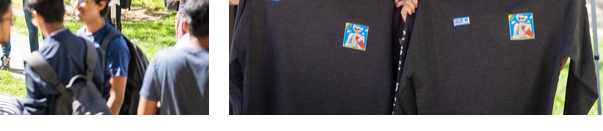
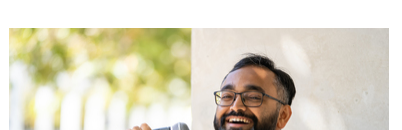
The **Master's Career Orientation** (below) introduced students to university resources and some of San Diego's largest tech companies.



The **Undergrad Welcome Orientation** (below) gave CSE undergraduates a chance to meet-and-greet and kick-off the 2022-2023 school year with plenty of food, games and fun.



The annual **CSE Beginning of the Year Celebration** (below) welcomed Ph.D. and master's students with lunch, a CSE sweater and the ever-popular piñata.



CSE UPCOMING EVENTS



CSE Diversity, Equity, Inclusion Community General Body Meeting
Thursday, October 20, 3:00 - 4:00 p.m.
CSE 1242

You're invited! Join CSE for our Fall DEI Community GBM. Be social. Get involved. Eat snacks! Please register [here](#).

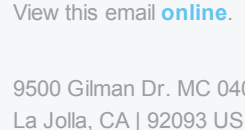
UC San Diego Halloween Costume Contest
Monday, October 31
11:30 - 1:00 p.m. (contest registration: 11:30)
Price Center Plaza



Ready for a scare? Wear a costume if you dare. The Bookstore invites you to a spooktacular Halloween event. Enjoy a live DJ from UC San Diego's own DJ.V. Prizes will be awarded for funniest, scariest, most creative and group costumes. Learn more [here](#).

Let us know what's newsworthy. We want to hear from you about the projects and people including in [newsletters](#), articles and the CSE website. Let us know what's up at cse-communications@eng.ucsd.edu.

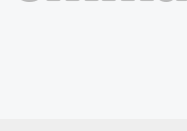
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