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UC San Diego
JACOBS SCHOOL OF ENGINEERING

AROUND CSE

News and highlights from your
Computer Science and Engineering Department
at the University of California San Diego

VOLUME 7 | September 2024

CSE NEWS



CSE's Rose Yu Is a 2024 Innovator of AI in New MIT Technology Review

Rose Yu is one of the MIT Technology Review's 2024 Innovators Under 35, highlighted for her ability to apply the rules of physics and making AI systems more practical. [Read More](#)



CSE Faculty and Alumni Earn Recognition at VLDB Conference

From panels and papers to a coveted early career award, professors **Arun Kumar** and **Yannis Papakonstantinou** and three CSE alumni were at the forefront of ML/AI-related discussions at the 2024 Very Large Databases conference. [Read More](#)

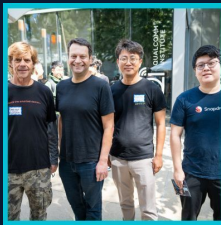


Welcome to CSE – Where Community Provides A Strong Start

CSE welcomed students and faculty to campus, setting a strong foundation for the 2024-2025 school year.



About 530 students attended a Grad Career Orientation hosted by CSE to provide important information, build community, and create networking opportunities. Panelists included representatives from ServiceNow, BrainCorp, Qualcomm, and Sybill.ai.



About 510 undergraduate students were invited to an orientation that delved into topics such as advising, resources, health, and Diversity, Equity and Inclusion (DEI) among others. The orientation culminated in an in-person mixer in the Bear Courtyard with food and games.

New master's and PhD students, 750 and 94 respectively, were also welcomed at orientations for their cohorts. A big thank you goes out to the student affairs and academic affairs staff, who work tirelessly to support all new and returning students and ensure their success.



CSE Researchers Influence Functional Programming Research

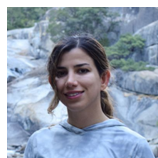
A joint team from UC San Diego and Microsoft Research received the Most Influential Paper Award at the 29th ACM SIGPLAN International Conference on Functional Programming for 10 years of influence in the field. [Read More](#)



AI Researcher Joins CSE to Collaborate with Academia, Industry, and AI Agents

Assistant Professor **Prithviraj (Raj) Ammanabrolu** envisions a future with trustworthy, responsible assistive devices that can collaborate with humans. He will be training AI agents in his new PEARLS lab. [Read More](#)

NOTEWORTHY



Five UC San Diego grad students, including CSE's **Helyaneh Ziaei Jam**, were selected as 2025 Siebel Scholars for applying engineering principles to solve medical challenges. Jam's research focuses on developing methods to explore ancestral genome diversity and its impact on human traits. [Read More](#)

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Congratulations to the participants in CSE's [2024 Summer Program for Incoming Students](#) (SPIS, pronounced "spice"). Students in the five-week project-based program completed impressive work on machine learning and web app projects. A huge thank you to CSE faculty, SPIS instructors, and advisors.



Congratulations to students who showcased their work at the **EnCORE Industry Day** with lightning talks and poster presentations. The event showcased research in foundations of data science, ML systems, and AI, with contributions from leading experts in industry and academia.



CSE is proud to support 7 CSE-affiliated student organizations for the 2024/2025 academic year. Explore the orgs and join: [Triton Software Engineering](#), [CSforeach](#), [Women in Computing](#), [Video Game Development Club](#), [ACM at UC San Diego](#), [CSE Society](#), and [Triton Quantitative Trading](#).

CSE EVENTS



CSE Beginning of the Year Celebration

Friday, October 4
1:00 to 3:00 p.m.

Summer Internship Symposium

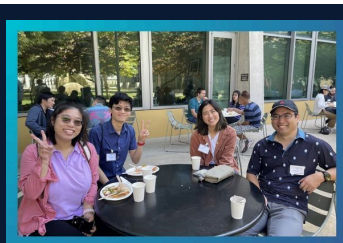
Thursday, October 24
12:30 to 2:00 p.m.

PRISM Annual Review

November 7-8

EnCORE Rising Stars

November 14-15



Engineering Bear Welcomes Alumni to Campus for Annual Summer Picnic

As summer came to a close, CSE welcomed faculty, alumni, and their families to the The Bear Courtyard for the season's final Alumni Summer Picnic.



The picnic was both a *coming home* and a *coming together* to promote community within CSE. Attendees enjoyed a delicious spread and spent a relaxing afternoon outdoors playing lawn games and reconnecting with friends. They also learned about opportunities to get involved. Earlier this summer, CSE hosted picnics in the Bay Area and Seattle.



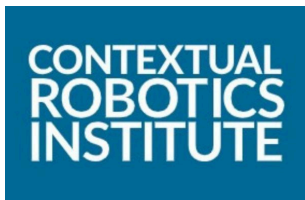
CSE Inspires Diversity in Computing at TAPIA Conference

CSE was a proud sponsor of the 2024 TAPIA Conference held in September. TAPIA is the premier venue to acknowledge, promote and celebrate diversity in computing.

The conference covers current technical topics ranging from AI and quantum computing to cybersecurity. It also offers leadership and networking workshops with the goal of inspiring and connecting researchers in computing from all backgrounds. The 2024 conference sponsors included Google, Meta, and Qualcomm as well as top research universities nationwide. Student Jonathan Ty, who attended the event, shares his experience in this [LinkedIn post](#).

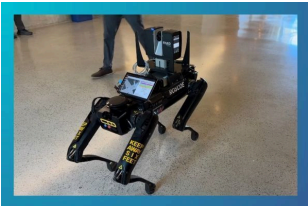
CSE's Diversity, Inclusion and Equity (DEI) Committee is a group of dedicated faculty, students and staff working on promoting and supporting diversity and inclusion efforts across the department. For more information on activities or getting involved, contact cse-dei-leads@ucsd.edu.

RESEARCH CENTERS & INSTITUTES



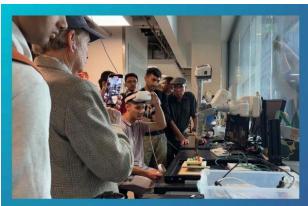
Contextual Robotics Institute's Annual Forum Attracts Nation's Top Robotics Researchers

Robots of all shapes and sizes were on display at the ninth annual [San Diego Robotics Forum](#) hosted by UC San Diego's [Contextual Robotics Institute](#) (CRI).

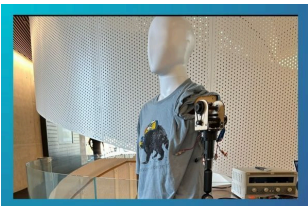


The event brought together robotics experts from industry and academia to discuss cutting-edge developments in the field.

The theme this year was Embodied Intelligence, examining the confluence of AI and interaction with the physical world. From healthcare robotics and soft robots to bioinspired bots, researchers showed off their work, including the algorithms that drive them.



Distinguished Professor [Henrik Christensen](#), who serves as Director of CRI and holds the Qualcomm Chancellor's Chair of Robot Systems, welcomed thought leaders from Agility Robotics and Embodied, Inc. along with UC San Diego faculty and student presenters. CSE's Associate Professor [Hao Su](#) gave a talk on foundational models in robotics.



See more about the day's events [here](#).



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