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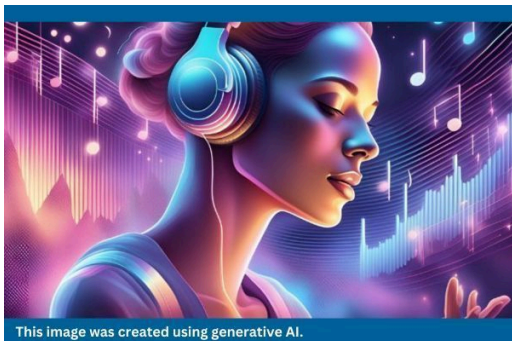
UC San Diego
JACOBS SCHOOL OF ENGINEERING

AROUND CSE

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

VOLUME 7 | March 2025

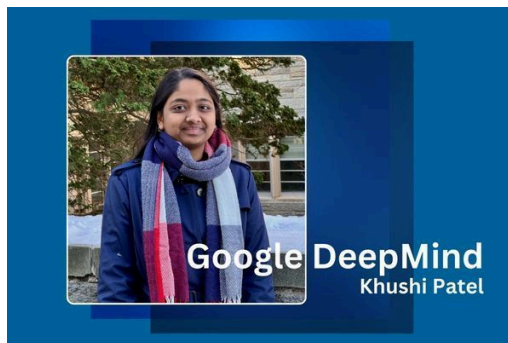
CSE NEWS



This image was created using generative AI.

What Is AI's Part in Modern Musical Composition?

Led by Affiliate Professor **Shlomo Dubnov**, a collaborative team of musicians and computer scientists is exploring ways to make GenAI creative, pushing its capabilities beyond text-to-music prompts to create a composition of its own and perform it. [Read More](#)



Google DeepMind
Khushi Patel

Meet the Newest Google DeepMind AI Scholar

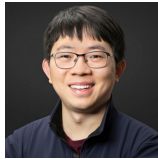
Khushi Patel (B.S. '24), a master's student in computer science and an alumna, has been named a 2024-2025 [Google DeepMind Scholar](#) in artificial intelligence. Patel's interests in AI relate specifically to software engineering and computer vision in robotics. [Read More](#)



Research Expo April 30 – Join Us!

You're invited! Register today and plan to join us for the Jacobs School's 43rd annual Research Expo symposium on Wednesday, April 30, 2025. Research Expo is an opportunity to learn about the latest technologies in development, meet the engineering and computer science graduate students and faculty bringing them to fruition, and recruit top tech talent. [Learn More](#)

NOTEWORTHY



[Halicioğlu Data Science Institute](#) and CSE Assistant Professor **Hao Zhang** and [Hao AI Lab](#) researchers were featured in a [TechCrunch article](#) for giving AI control over Super Mario Bros' iconic character, Mario. The team has been using 1980's video games, including Sokoban (倉庫番), to benchmark popular AI models, like OpenAI._



Associate Professor **Aaron Schulman** and the [UC San Diego Center for Healthcare Cybersecurity](#) are [training students](#) to tackle practical security problems in healthcare, such as phishing, and drive adoption of Multi-Factor Authentication.



In an episode of [Halicioğlu Data Science Institute's Science Like Me](#), postdoc Yinzhan Xu and CSE PhD student **Chris Ye**, who is advised by **Barna Saha** and **Russell Impaglazo**, discussed their theoretical work with [EnCORE](#) using applied math to test the limits of computers. Watch the episode [here](#).

CSE EVENTS



Triton Giving Day

April 30, 2025

[Give Here](#)

Jacobs School of Engineering Research Expo

April 30, 2025

[Learn More](#)

Center for Networked Systems Research Review

May 8-9, 2025

[Learn More](#)

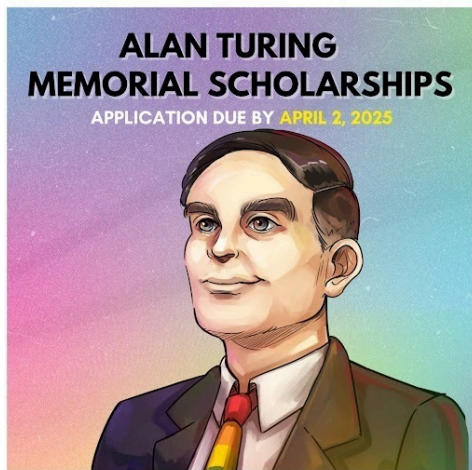


Triton Giving Day Is Coming Up!

This April 30, support the **Computer Science and Engineering Excellence & Innovation Fund**. Thank you for making an impact!

The programs and resources available to our students and faculty are sustained and expanded through the generosity of philanthropy. Your gift – of any size – will help amplify the success of our students, faculty, and programs. Learn more about [Triton Giving Day](#) or [click here](#) to give now.

RESEARCH CENTERS & INSTITUTES



Alan Turing Memorial Scholarship – Celebrating a Decade of Impact

In 2015, the [Center for Networked Systems](#) (CNS) established the Alan Turing Memorial Scholarship to encourage a more diverse and inclusive community of engineers. Over the past decade, 12 undergraduates from programs related to networked systems have received scholarships and mentoring opportunities.

The scholarship honors the memory of Alan Turing, a mathematician and cryptanalyst who co-founded the field of computer science. [Learn more](#) and [apply by April 2](#).



EnCORE Institute Explores Theoretical Perspectives on Large Language Models

The EnCORE Institute at UC San Diego hosted a three-day Workshop on Theoretical Perspectives on Large Language Models (LLMs) from March 3-5. The event brought together top researchers to explore the mathematical and theoretical foundations of LLMs. Discussions focused on topics such as model efficiency, generalization, interpretability, and alignment with human intent.

The workshop was organized by **Sanjoy Dasgupta**, **Arya Mazumdar**, and **Barna Saha** from UC San Diego, Rina Panigrahy from Google Research, and David Woodruff from Carnegie Mellon University. [Read More](#)





UC San Diego



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