A few more said graduating computer science student Yash Shah. "I was able to pick up a minor in my major of study, computer science, but also to undertake academic tutoring and members and so much more. "UC San Diego offered me an opportunity to not only take courses to Jacobs School undergraduates as researchers, tutors, student leaders, engineering-team senior this year. Reading through their experiences provides a tour of the opportunities available.

The Jacobs School's six engineering departments each selected an outstanding graduating student team won second place in several categories including bridge stiffness and efficiency. Student teams from more than 40 universities descended on UC San Diego to compete in the nationwide finals of the Student Steel Bridge Competition. The goal of the competition is to allow students to design and build a steel bridge that can be entirely supported on two columns and must withstand a simulated earthquake.

Structural engineering students host national bridge competition

Compromised shake table allows researchers to test structures with unprecedented accuracy when compared to real earthquake ground motions. A team of Jacobs School undergraduates overcame serious obstacles and clocked all-time best.

Medical engineering professor Nicole Gonzalez-Gamboa. "It is a major accomplishment for Triton Racing to place so high. It is a sign that UC San Diego is one of the best places in the world to train engineers."

Some of Triton Racing's greatest accomplishments were its entry in the Student Steel Bridge Competition and its annual participation in the National AUVSI X Prix. Triton Racing is a student-led engineering team which designed and built an autonomous underwater vehicle that is capable of performing tasks such as mine detection and underwater mapping.

The Center for Matter Under Extreme Conditions at UC San Diego received $12.5 million in funding from the Department of Energy to upgrade its shake table facility. The shake table is used to test structures that are subject to earthquakes, wind, and other forces. The upgrade will allow researchers to test structures with unprecedented accuracy when compared to real earthquake ground motions.

A UC San Diego chemical engineering graduate student created a mentoring program to help students find research mentors. The program, called GradAMP, aims to connect students with graduate-student mentors from the very same research area. In a new paper, the team outlines how the program works and encourages schools around the country to copy it.

A UC San Diego chemical engineering PhD at UC San Diego.

A UC San Diego nanoengineering research project aims to turn harmless plant viruses into eco-friendly pesticides. The team of researchers, led by Nicole Gonzalez-Gamboa, is developing a method to use plant viruses as a delivery system for pesticides. The researchers presented their work at the 2023 Conference on Computer Vision and Pattern Recognition (CVPR).

Robots are getting more agile. Here's how.

"The research community is making great strides in using robots in manufacturing. However, there is still much room for improvement. "We believe that by the end of the decade, robots will be able to perform tasks that are currently only done by humans.""