

## THE FUTURE HAPPENS HERE



The UC San Diego CSE department is a world-class research institution, where students and professors work together to imagine and shape the digital world of tomorrow. Our tight-knit community is building the future of technology in all areas of computing. From robotics to security to human-computer interaction, we are pushing the boundaries of what is possible, and striving to make the world a better place.

Most of all, we stand every day by our core values: success and excellence through inclusivity, mentorship, and community. Our students have received numerous prestigious fellowships, and go on to be leaders in industry and professors at top academic institutions. We're always looking to expand our reaches in all avenues and grow, so visit [cse.ucsd.edu](http://cse.ucsd.edu) to find out more and join us!

## COMPUTER SCIENCE ACROSS CAMPUS

The UC San Diego CSE department has many cross department collaborations, making our department unique. This can be seen in the many interdisciplinary centers that CSE is a leader in:

- Center for Networked Systems
- Center for Visual Computing
- Center for Wireless Communications
- Halıcıoğlu Data Science Institute
- Qualcomm Institute
- Robotics Institute
- San Diego Supercomputer Center

### 74 FACULTY MEMBERS

- 4 New faculty hired in 2018
- 7 New faculty to be hired in 2019
- 4 New faculty to be hired in 2020

### 2,805 COMPUTER SCIENCE STUDENTS

- 2,019 Undergraduate students
- 536 Masters students
- 250 PhD students

### \$31M IN TOTAL RESEARCH EXPENDITURES

- \$23M Government-sponsored research
- \$8M Industry-sponsored research  
+ income from gifts/endowments

### UC SAN DIEGO BY THE NUMBERS

- |                             |   |
|-----------------------------|---|
| \$1.2 Billion<br>7th in USA | Research Enterprise<br>For Sponsored Research                                       |
| 2,535<br>30,285<br>8,037    | UC San Diego Faculty<br>Undergraduates (Fall 2018)<br>Graduate Students (Fall 2018) |



## EXCITING OPPORTUNITIES IN EVERY AREA OF COMPUTING

Our department conducts exciting research in all areas of computer science. Among many other achievements, members of our department: invented "simultaneous multithreading", now used ubiquitously in microprocessors; received an academy award for technical achievement in graphics rendering; developed techniques to use genom-

ics data to specialize cancer treatment; demonstrated the first remote takeovers of cars and helped lead industry and regulators towards more robust automotive cybersecurity; developed some of the most popular online courses on Coursera and EdX; developed widely-used techniques for stopping criminals by following the flow of money in

both credit cards and virtual currencies; repeatedly set the world sorting record by improving data processing efficiency by an order of magnitude over existing methods; and developed the networking architecture now common in all large-scale commercial data centers.

ALGORITHMS  
COMPLEXITY &  
CRYPTOGRAPHY

DATABASES &  
INFORMATION  
MANAGEMENT

PROGRAMMING SYSTEMS

SYSTEMS & NETWORKING

ARTIFICIAL INTELLIGENCE

EMBEDDED SYSTEMS  
& SOFTWARE

ROBOTICS

UBIQUITOUS COMPUTING  
& SOCIAL DYNAMICS

BIOINFORMATICS

HIGH-PERFORMANCE  
COMPUTING

SECURITY &  
CRYPTOGRAPHY

VISUAL COMPUTING

COMPUTER  
ARCHITECTURE &  
COMPILERS

HUMAN-COMPUTER  
INTERACTION

SOFTWARE ENGINEERING

VLSI/CAD

## CONTACT US

For more information about admissions, please contact

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