COMPUTER SCIENCE
& ENGINEERING

UC San Diego
JACOBS SCHOOL OF ENGINEERING

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 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 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
- Qualcomm Institute
- Robotics Institute
- San Diego Supercomputer Center

67 FACULTY MEMBERS

7	New faculty hired in 2016
5	New faculty to be hired in 2017

2,681 COMPUTER SCIENCE STUDENTS

2,003	Undergraduate students
501	Masters students
177	PhD students

$15M IN TOTAL RESEARCH EXPENDITURES

$11M	Government-sponsored research
$4M	Industry-sponsored research + income from gifts/endowments

UC SAN DIEGO BY THE NUMBERS

$1.07 Billion 5th in USA	Research Enterprise For Federal R&D Expenditures
1,722	UC San Diego Faculty
28,127	Undergraduates (Fall 2016)
7,689	Graduate Students (Fall 2016)

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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 genomics 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
- ARTIFICIAL INTELLIGENCE
- BIOINFORMATICS
- COMPUTER ARCHITECTURE & COMPILERS
- DATABASES & INFORMATION MANAGEMENT
- EMBEDDED SYSTEMS & SOFTWARE
- HIGH-PERFORMANCE COMPUTING
- HUMAN-COMPUTER INTERACTION
- PROGRAMMING SYSTEMS
- ROBOTICS
- SECURITY & CRYPTOGRAPHY
- SOFTWARE ENGINEERING
- SYSTEMS & NETWORKING
- UBIQUITOUS COMPUTING & SOCIAL DYNAMICS
- VISUAL COMPUTING
- VLSI/CAD

CONTACT US

For more information about admissions, please contact

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