Department of Computer Science Graduate Orientation

Fall 2022
Samir Das, Department Chair
One of the Oldest CS Programs in Nation

1969  New CS program
2009  ABET Accreditation
2015  New CS building
2023  50-year Anniversary
Many Notable Alumni

Top row – left -right
John Hennessy, MS ‘75, PhD ‘77
Former President
Stanford University

Abraham Silberschatz, PhD ‘78, Yale University

David Gelernter, PhD, PhD ‘83
Yale University

Bottom row – left -right
Ben Shneiderman, PhD ’73 – First PhD
University of Maryland

Jon Oringer, BS ‘96, S.D.’17
Founder, CEO, Shutterstock

Fred Schneider, PhD ’83
Past Chair and Professor, Cornell University
Rankings

Graduate program/research rankings among US academic Institutions:

*US News & World Report*  43
*csrankings.org*  24
*National Research Council*  ~20
Many Major Inventions

- Automated Deductions
- Concurrency Factory/Workbench
- SBProlog, XSB
- F-Logic, FLORA
- Two-Dimensional Bar Code
- Virtual Colonoscopy
- Address Space Layout Randomization
- AODV Routing Protocol
- ..
CS Faculty and Students By the Numbers

Core Faculty
58

Affiliated and Research Faculty
30+

Admin and IT Staff
16

Annual Research Expenditures
$13M +

Undergraduate Students
1400+

MS Students
300+

PhD Students
200+

Assistant Professor Aruna Balasubramanian with students from her NetSys Lab
Facilities

New CS Building
• Opened 2015
• $40.5M project
• 2015 Cabling Innovators Award

Old CS Building

CEWIT (Center for Excellence in Wireless and Information Technology)
Centers & Institutes

- Institute of AI Driven Discovery and Innovation (AI Institute)
- National Security Institute (NSI)
- Center for Visual Computing (CVC)
- Institute of Advanced Computational Science (IACS)
Major On/Off Campus Partners

Center of Excellence in Wireless and Information Technology (CEWIT)

Advanced Energy Center (AEC)

Institute of Advanced Computational Science (IACS)
Resources – 18 Labs in Two Buildings

- Applied Algorithms Lab
- Data Management and Biomedical Data Analytics
- Computer Vision Lab
- Smart Energy Lab
- Design and Analysis Research Lab
- Computer Architecture Stony Brook Lab (COMPAS)
- Mobile and Sensor Network Lab
- File Systems and Storage Lab

Above: Immersive Cabin in CEWIT
Below: Students in WINGS Lab
Resources – 18 Labs in Two Buildings

- Secure Systems Lab
- Knowledge Systems Lab
- Performance Analysis of Computer Systems Lab (PACE)
- PragSec Lab
- Research in Software and Systems Security (RiS3) Lab
- Wireless Networking and Systems (WINGS) Lab
- ... many others
CS Grad Students Organization - CSGSO

• Lot of social and educational activities.
• Represents CS graduate students to the departmental and campus administration.
Supportive and Resourceful Career Center

Most services were supported virtually for the last 2 years, but now coming back to normal
Top CS Employers

2019 salary stats:
More than 80% graduates received
>$110K as a starting salary