An Overview of

University of Washington
Computer Science & Engineering

Undergraduate Education

- Ranked among the top ten undergraduate programs in the nation by US News
- Won four UW Distinguished Teaching Awards in the past ten years
- Won the first UW Brotman Award for Instructional Excellence
- In 2004, student recognition included our third Arts & Sciences Dean’s Medalist in a row, two Goldwater Scholars, and a Rhodes Scholar finalist (one of 4 in the past 5 years, including 2001 Rhodes recipient Emma Brunskill)
- Fifteen students recognized in the past 5 years in the Computing Research Association Outstanding Undergraduate Award competition – winners, runners-up, finalists, and honorable mention recipients
- In recent years, UW has been a top supplier of new college graduates to Microsoft, Intel, and IBM, and the major supplier to many outstanding regional technology firms
- Extensive involvement of undergraduates in research and in industrial co-ops/internships
- Hallmark Capstone Design Courses in fields such as embedded systems, digital animation, internet systems, videogames, digital systems, VLSI, computer telephony, and more

Graduate Education

- Ranked among the top ten graduate programs in the nation by US News and the National Research Council – for Computer Science, for Computer Engineering, and for all three Computer Science specialties ranked by US News (Artificial Intelligence, Systems, and Theory)
- In a recent National Doctoral Program Survey funded by the Sloan Foundation – a survey of students regarding departmental adherence to “best practices” in graduate education – rated #1 among all Computer Science graduate programs in the nation, #1 among all Computer Engineering programs, and #1 among all programs in engineering
- Won the second UW Distinguished Graduate Mentor Award
- In 2004, UW CSE Ph.D. AnHai Doan received the ACM Distinguished Dissertation Award. (In 2003, UW CSE faculty member Venkat Guruswami received the award for his MIT dissertation. In 2001, two of the three students recognized in the competition were UW CSE Ph.D.s – William Chan and Mike Ernst.)
- Ph.D. student Steve Wolfman received the 2002 UW Excellence in Teaching Award (for graduate teaching assistants)

Former UW CSE department chair Ed Lazowska spent 2001-02 on sabbatical at UC San Diego, where there are six UW CSE alums on the Computer Science & Engineering faculty! L-R: Stefan Savage, UW CSE Ph.D. 2002; Bill Griswold, UW CSE Ph.D. 1991; Fran Berman, UW CSE Ph.D. 1979; Ed Lazowska; Geoff Voelker, UW CSE Ph.D. 2000; Dean Tullsen, UW CSE Ph.D. 1996; Brad Calder, UW CSE B.S. 1991.
Entrepreneurship and Innovation

- Brought the Internet and modern Integrated Circuit design to the Pacific Northwest
- Helped attract companies such as DECwest Engineering, Tera/Cray, Intel Research
- Early alumni founded companies such as Aldus, Visio, IC Designs, Digital Research, Dialogic
- More than a dozen new companies founded in recent years – strong ties to the region’s venture capital community (Impinj – http://www.impinj.com – is an excellent example of a recent startup closely tied to our computer engineering activities)
- Many technologies transferred to existing companies – WebCrawler (the first full-text web search engine), MetaCrawler (the first web meta-search engine), Simultaneous Multithreading (commercialized by Intel as HyperThreading), and others

Outreach

- Key role in design and implementation of Washington’s award-winning K-20 Educational Telecommunications Network
- Outreach to K-12 and community colleges has been recognized with the UW Outstanding Public Service Award and with the Seattle Alliance for Education’s A+ Partnership Award
- Distance learning efforts have been recognized twice with the national R1edu Award

The Paul G. Allen Center for Computer Science & Engineering

- Dedicated in autumn 2003
- Triples our laboratory space, and more than double our total space
- Integrated with a recently-completed building for UW’s Electrical Engineering Department
- A $72 million project:
  - $10 million from the Legislature
  - $20 million from UW
  - $42 million from private sources
    - $14 million from Paul G. Allen
    - $7.2 million from Microsoft Corporation
    - $6.5 million from Bill & Melinda Gates
    - $15 million from more than 250 other friends and alumni in the region’s software and venture communities

The Campaign for CSE

- Continues with a goal of $20 million for endowments – “the people part”

Further Information

- Department home: http://www.cs.washington.edu/
- Department capstone design course videos: http://www.cs.washington.edu/videos/
- The Paul G. Allen Center: http://www.cs.washington.edu/building/
- The Campaign for CSE: http://www.cs.washington.edu/campaign/