

COMPUTER SCIENCE AND SOFTWARE ENGINEERING



Visit www.seattleu.edu/scieng/comsci to find out more about launching your computing career at Seattle University

LAUNCH YOUR COMPUTER SCIENCE CAREER AT SEATTLE UNIVERSITY

The field of Computer Science is enjoying a surge in popularity as students are drawn to strong career prospects in the computing field for 2009 and beyond. The Computer Science and Software Engineering (CSSE) program at Seattle University offers you a unique learning environment to start your computing career, including attentive instruction, meaningful coursework and opportunities to gain industry experience and contacts in the technology capital of the Pacific Northwest.

Students who have launched their careers at Seattle University go on to praise their experience. In a March 2009 survey, a full 92.6% of alumni say they would recommend Seattle University and the CSSE program to new students.

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of alumni would recommend the CSSE
Program to others.

GREAT CAREER PROSPECTS

JOBS ARE PLENTIFUL

There are actually more computing jobs than qualified people to fill them in the U.S. The U.S. Bureau of Labor Statistics says computing has the greatest potential for new jobs through 2016—when a total of 1.81 million software engineers will be needed.¹

IT REMAINS A VERY WELL-PAID PROFESSION

From 2008 to 2009, the average base salary for IT Professionals increased 10% from \$73,900 to \$81,600.³

REGIONAL CAREER OPPORTUNITIES ARE EXPANDING

Average annual demand for Computer Science professionals in Washington state is on the rise, translating to at least 3,000 new job openings between 2011 and 2016.²

COMPUTING CAREERS MAKE A DIFFERENCE

Computer technology is part of just about everything that touches our lives—from the cars we drive, to the movies we watch, to the ways businesses and governments deal with us. Future opportunities in computing are without boundaries.⁴

THE CSSE PROGRAM AT SEATTLE UNIVERSITY OFFERS:

Degree Specializations Tailored to your Career Goals and Interests

The CSSE Program at Seattle University offers you a variety of specializations that allow you to follow your interests and pursue the computing career of your choice:

- Bachelor of Science (BS) in Computer Science
- Computer Science with Math Specialization
- Computer Science with Business specialization
- Bachelor of Arts (BA) in Computer Science

"The business specialization has proven especially worthwhile in my career --it has allowed me to succeed in business/marketing roles in Microsoft while maintaining technical know-how with regard to solution implementation."

-CSSE Program Graduate, 2002

Real-World Industry Experience in the Technology Capital of the Pacific Northwest

Located in the heart of the city, Seattle University is the largest and most culturally diverse independent university in the Northwest. Our campus community extends throughout the region, through our partnerships with local companies such as Boeing, Microsoft, PACCAR, Nordstrom, Kenworth, AT&T and Cisco. These companies and many more offer Seattle University Computer Science students mentorships and exciting career opportunities.

Students in Seattle University's Computer Science program participate in a Senior Capstone Project that gives them hands-on experience with a significant software project, sponsored by a wide range of Northwest technology leaders. Over three consecutive quarters, students work on a team with guidance from a faculty advisor, and interact with the sponsoring company to identify project requirements, design and develop a solution to address real company needs, and plan for future development and maintenance activities.

"The Capstone Senior Project was the most valuable experience I had at SU. It exposed me to real-world applications of what I learned in my classes."

- Marlon R. Acincid, CSSE Program Graduate, 2002

"By working with the SU project team, the AREVA T&D Project Coordinator discovers which project team members are most likely to succeed...We have been hiring at least one new (SU) grad every year for the last ten years."

- Jim Knight, AREVA T&D, Inc.

Small Class Sizes and Exceptional Quality of Instruction

Students consistently choose Seattle University for the small class sizes and opportunities for one-on-one interaction with professors. The attentive instructors make extra efforts to get students involved, direct them to new information, and encourage them to pursue exciting new technologies and opportunities.

"The small class sizes and personal attention by teachers who want to teach makes the CSSE program at SU exceptional."

- Devin McBride, Current CSSE Program Student

The First Step Along a Rewarding Career Path

Computing drives innovation in the sciences—in the human genome project, AIDS vaccine research, environmental monitoring and protection, and many other groundbreaking programs—as well as in engineering, business, entertainment and education. By studying computing, you have an outstanding opportunity to make a positive impact on the world.

Whether you plan to enter the computing industry, join the scientific community, or continue to graduate school, the CSSE Program at Seattle University provides students with a solid foundation to make their own contributions to the computing field in years to come. CSSE program alumni stand out in the job market, and assume leadership roles in some of the leading companies in the Pacific Northwest.

86.8% of CSSE program alumni surveyed secured a job within 0-6 months of graduation. Of these, over half secured a job prior to graduation⁵

"Seattle U Grads are well-rounded, continue to praise their educational experience while in the work force, and talk of the small class size as a benefit to their overall education... We have seen very high quality in the candidates we have interviewed and our success rate for hiring is over 90% after an offer has been made."

- Bob Jones, Boeing Commercial Airplanes

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1 Association for Computing Machinery (ACM) Top 10 Reasons to Major in Computing; U.S. Bureau of Labor Statistics
2 Washington Higher Education Coordinating Board (HECB), February 2009 Report
3 TechRepublic 2009 IT Skills and Salary Report
4 Association for Computing Machinery (ACM) Top 10 Reasons to Major in Computing
5 Seattle University CSSE Alumni Survey, March 2009