

# NC STATE UNIVERSITY COMPUTER SCIENCE

Established in  
1967, we are  
located on NC State's  
Centennial Campus,  
the 2008 Research  
Science Park of  
the Year



## POINTS OF INTEREST

### Academics

#### *Undergraduate degree programs*

- Bachelor of Science in Computer Science\*
- Game Development Concentration
- Undergraduate Minor, Computer Programming
- Certificate in Computer Programming

#### *Graduate degree programs*

- Ph.D.
- Master of Science (Thesis and non-thesis options)
- Master of Computer Science (Professional degree, non-thesis, with on-campus or Distant Education options)
- Master of Networking (Thesis and non-thesis options) with available concentration in Service Sciences, Management and Engineering (SSME)
- Accelerated Bachelor's/Master's (ABM) Degree Program

### Key Statistics

- Established in 1967 - one of the first official computer science departments to be established in the country
- Approximately 40 faculty, 5 emeritus faculty, 10 lecturers and adjuncts, and 31 research, IT and administrative staff
- Rankings:
  - 3rd among online master's degree programs (Best Buy Online Degree, 2008)<sup>1</sup>
  - 5th in Computer Science MS enrollment<sup>2</sup>
  - 6th in Computer Science PhD enrollment<sup>2</sup>
  - 7th in Computer Science undergraduate enrollment<sup>2</sup>
  - 9th in Computer Science BS degrees awarded<sup>2</sup>

- 14th in Computer Science research expenditures<sup>2</sup>
- 15th in Computer Science MS degrees awarded<sup>2</sup>
- 16th in Computer Science PhD degrees awarded<sup>2</sup>
- 28th in Graduate Computer Science Program rankings among public universities<sup>3</sup>
- Enrollment 2009-10
  - Undergraduate 630
  - Master's 329
  - Doctoral 165
- Incoming freshmen Fall 2010
  - Average GPA: 4.24 (weighted scale)  
Most admissions between 4.07 - 4.5.
  - Average SAT: 1254 (reading & math only).  
Most admissions fall between 1180 - 1330.
  - Top 10% of class: 60%
- Facilities
  - EB2, state-of-the-art teaching and research facility opened in fall 2006
  - 12 research centers and more than 35 teaching and research laboratories and groups
  - Leading-edge networking and computational infrastructure
- Designated by NSA & DHS as a National Center of Excellence in Information Assurance Research (CAE-R).
- Academic Alliance Member of National Center for Women & Info Technology.
- First U.S. university to be awarded a Cisco TelePresence unit.
- First U.S. research university to offer multi-disciplinary masters-level curricula in services (SSME).
- Recognized as a Laureate in 2007 & 2009 in Computerworld Honors Program.

## Faculty Honors

- 20 National Science Foundation CAREER Award recipients and one NSF Young Investigator Award recipient
- National Academy of Engineering member
- Emmy Award recipient, National Academy of Television Arts & Sciences - for plasma screen technology
- Consumer Electronics Hall of Fame Inductee
- DOE Early Career PI Award recipient
- American Association for Artificial Intelligence Fellow
- 5 Institute of Electrical and Electronics Engineers (IEEE) Fellows
- ACM SIGSOFT Inaugural Influential Educator Award Recipient
- Computing Research Assoc. (CRA) Digital Government Fellow
- American Academy of Forensic Sciences (AAFS) Assoc. Member
- 2 Senior Research Ethics Fellows
- Alcoa Foundation Engineering Research Achievement Award recipient
- 10 members in NC State Academy of Outstanding Teachers
- NC State Academy of Outstanding Faculty Engaged in Extension member
- Center for Democracy & Technology Fellow
- ACM Distinguished Scientist
- Sigma Xi Outstanding Young Researcher

## Areas of Expertise

- Theory and algorithms
- Bioinformatics and computational sciences
- High-performance & power aware systems
- Artificial intelligence
- Networks
- Security
- Software engineering
- Computer-based education
- Graphics and visualization

The faculty foster strong multidisciplinary and collaborative interaction with other disciplines at NC State (e.g., Bio-informatics, eCommerce, serious games, etc.), other universities, industry, government agencies and laboratories, and other partners in the Research Triangle and beyond.

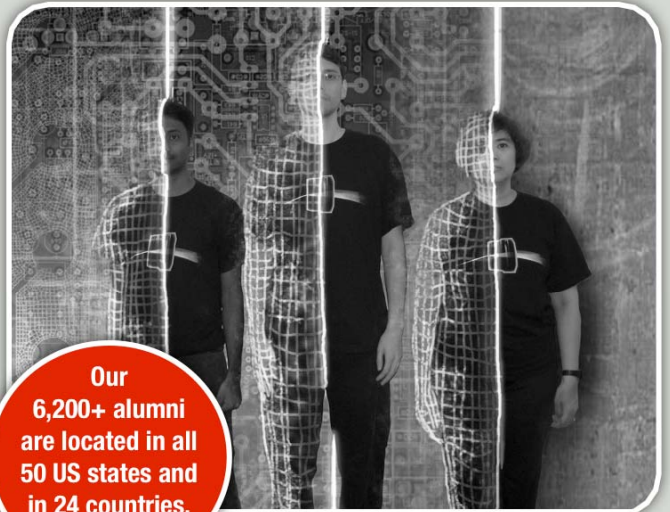
## Opportunities

- Research with faculty - research centers and groups, undergraduate opportunities, scholars and honors programs
- Applied learning - award-winning capstone Senior Design Center projects

- The department has a variety of student organizations providing leadership skills, service, networking, and informal learning opportunities, including:
  - ACM/AITP
  - Graduate Student Association
  - Honors Program/Honor Societies
  - Linux Users Group
  - Video Game Development Club
  - Women in Computer Science
- National competitions and recognition: Recent student honors include 1st place in CSIDC World Finals, ACM Grand Award, Google Anita Borg Scholarship, IBM's Extreme Blue Internships, *USA Today* Academic All American, ACM "Battle of the Brains" UNC site winner.
- CSC-specific scholarships: 18 endowed and numerous sponsored and external
- CSC students are also eligible for College of Engineering and University-wide scholarships. Details available at [www.csc.ncsu.edu/academics/undergrad/scholarships](http://www.csc.ncsu.edu/academics/undergrad/scholarships).
- More than 70 companies actively partner with the department via sponsored programs, research, scholarships, projects and initiatives.

## Careers

- Average starting salaries, May, 2009<sup>4</sup>
  - BS CSC - \$58,275 (range 41-80K)
  - MS CSC - \$71,571 (range 35-95K)
- Proximity to world-famous Research Triangle Park (RTP) provides many opportunities for internships and co-ops. Approximately 25% of all NC State Engineering co-ops are from the department of Computer Science.
- NC State is a top supplier of new graduate talent to Cisco, IBM, SAS, AT&T, Tekelec, NetApp, Fidelity Investments, EMC and many others.
- Computer Science related career opportunities among the fastest growing over the next 10 years:
  - Network systems & data communication analysts
  - Computer software engineers, applications
  - Computer systems analysts
  - Computer software engineers, systems software<sup>5</sup>



Our  
6,200+ alumni  
are located in all  
50 US states and  
in 24 countries.

## Select Distinguished Alumni

- **Marshall Brain** - Author, TV Star & Founder of HowStuffWorks.com
- **Keith Collins** - CTO, SAS Institute; NC State Distinguished Engineering Alumnus (DEA)
- **Suzanne Gordon** - CIO, SAS Institute; NC State Board of Trustees
- **Dr. Larry Hodges** - hf Flagship Director of the School of Computing at Clemson University
- **Bobby Johnson** - Former CEO and Co-founder of Foundry Networks; NC State Distinguished Engineering Alumnus (DEA)
- **Richard Krueger** - developed xRes (now Macromedia's *Fireworks*), President & CEO of Skinux
- **Dr. Elizabeth Mynatt** - Director of Georgia Tech's Graphics, Visualization & Usability Center
- **John O'Neill** - President, CTO & Founder of Spark Plug Games
- **Rudy Puryear** - ranked as one of world's Top 25 Consultants by *Consulting Magazine*
- **Erik Troan** - Co-author of Red Hat Package Mgr and "Linux Application Development," CTO of rPath

\*Accredited by CAC/ABET

<sup>1</sup>[www.geteducated.com/rankings/best\\_computer.asp](http://www.geteducated.com/rankings/best_computer.asp)

<sup>2</sup>ASEE data, 2007

<sup>3</sup>U.S. News and World Report, 2010

<sup>4</sup>NC State University Career Center

<sup>5</sup>[www.stats.bls.gov/opub/mlr/mlrhome.htm](http://www.stats.bls.gov/opub/mlr/mlrhome.htm)

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