



## OH, THE PLACES YOU'LL GO!

Some of our graduates go on to graduate school, both here at MSU or at other prestigious schools. Many, however, go forward in their careers, including technical positions in government or in branches of the U.S. Armed Forces, teaching in area school systems, or corporate jobs. Here is a partial list of employers who have hired MSU graduates in the past few years:

Alliance Computing  
Capelogic Inc.  
Chelsey Technologies  
Datamedia  
Dialogic Corporation  
DPC Cirrus  
Hertz  
Hoechst-Celanese  
Hoffmann-LaRoche Ltd.  
Honeywell/Allied Signal  
Integrated Device Technology  
Immediatech  
ITT  
Johnson & Johnson Pharmaceuticals  
KPMG  
Loral Skynet  
Lucent Technology  
Mellon Bank  
Merck & Co.

Pitney Bowes  
PMG Systems  
Prudential Insurance  
Company of America  
PSE&G  
Qwest  
Schindler Elevator  
Sempermental Productions  
Sharp Express  
Skyworks Technologies  
Smith Barney IT  
Staples  
Tyco Submarine Systems  
Telcordia Technologies  
US Telecom  
Lockheed Martin Corp  
UPS  
USA Technology  
Verizon Wireless



*The computer industry is changing all the time, but the Computer Science Department at MSU keeps current with what's in demand with employers - application development, database administration, computer systems analyst, computer support specialist, network administrators. Someone who graduates from MSU has a solid education for a career in computer science.*



**Milos Topic '03**  
Technology Support Coordinator  
Montclair State University



## GET MORE INFORMATION

Check out our Web site:  
**<http://cs.montclair.edu>**

and click on "Prospective Students."  
There you will find course listings, undergraduate majors, curriculum guides and much more. Then, contact the Admissions Office to arrange a campus visit. We'd be happy to show you around and answer all your questions.



**MONTCLAIR  
STATE  
UNIVERSITY**

Department of Computer Science  
Richardson Hall  
1 Normal Avenue  
Montclair, New Jersey 07043  
973-655-4166

# BACHELOR OF SCIENCE IN COMPUTER SCIENCE AT MONTCLAIR STATE UNIVERSITY



**MONTCLAIR  
STATE  
UNIVERSITY**



## THE IMPORTANCE OF COMPUTER SCIENCE

Even at an advanced level, Computer Science (CS) is much more than programming languages or running a computer efficiently. It is the science of building computer systems and data networks, investigating the structure of those systems, maintaining their proper functioning, trouble-shooting and problem-solving, as well as the representation and implementation of knowledge. It is a highly creative discipline that is vital to the modern world, a science of new frontiers and imaginative challenges.

**“MSU teachers are available to their students.**

*They are more than willing to take the time and work with students outside regular class hours. I felt very comfortable talking with the professors and asking them for guidance. They helped me land an internship with a computer game company while I was still a student. It eventually turned into my first full-time position after graduation - as a Web Systems Programmer*



**Stan Guzik '98**  
Chief Technology Officer,  
ImmediaTech Corporation

CS opens doors to careers that are in great demand because it is concerned with tools that are indispensable to modern life - information systems, hardware and software design, programming, applications development, systems analysis and design. These tools are critical to the success of business and industry, government and education.

At Montclair State University, we do not train students to become only advanced computer users. We teach them the technical skills to be able to create new systems that don't exist yet, and the critical thinking skills to find new ways to use computers in everyday life. At MSU, CS is more than a science - it is also an art, the art of finding technical solutions to solve real-world problems.

### GET AHEAD IN COMPUTER SCIENCE

The Department of Computer Science will position you for a career in one of the fastest growing occupational fields today. Whether you are interested in finance, industry, bioinformatics, entertainment, architecture, education, transportation, a degree in computer science is for you. Companies are in need of software engineers, Internet and intranet experts, Web designers, operations managers, networking specialists, analysts and programmers, systems administrators and other CS specialists. In its most important functions, CS supports and advances best practices in business, education and government.

### CAREERS IN COMPUTER SCIENCE

The job opportunities for CS graduates continue to expand. The demand for well-qualified CS

graduates is strong and getting stronger. Many current projections show continued growth in the CS job market through 2010. Now is the time to get the degree you will need to take advantage of that demand.

The current state of the software industry is changing rapidly. It continues to be an excellent career choice for students. Beyond the need for software designers and systems managers, companies want graduates who know how to communicate, document and design software. Programming jobs that deal only with writing lines of code are becoming commoditized and moving overseas, but the demand for highly skilled software architects has actually increased. MSU students learn how to build sophisticated software and manage complex systems, not just write computer code. These skills are highly valued in the job marketplace.

### WHAT KINDS OF JOBS ARE AVAILABLE?

There are many jobs out there in the real world waiting for qualified graduates. Here are some titles recent MSU graduates have obtained in their first jobs after graduation: PC Operations Manager, Networking Specialist, Web Designer, Technical Support Specialist, IT System Analyst, Cell Culture Researcher, Java Programmer,

“ Although there are many places to study Computer Science there are clear advantages at MSU: affordable tuition; a well-developed and practical curriculum; talented, knowledgeable, responsive professors; a great location to live and study; and strong connections to employers after graduation. Although the job market is tougher than before, CS jobs will always be available. Why? Because CS supports and advances current business practices. ”

Hongmei (Amy) Yan '03  
System Tester and Configurator  
Lucent Technologies

Client Service Analyst, Software Engineer, Network Administrator, Software Development - Testing, Data Analyst, Programmer in ASP,C,++ databases.

**MONTCLAIR STATE IS THE PLACE TO BE**  
A CS degree from MSU is so much more than a technical degree. MSU is academically diverse and rigorous, and is strong in basic science and mathematics. And it has an excellent CS program that offers you hands-on experience, practical projects, and close interaction between students and professors. MSU also has a longstanding tradition of excellence in the liberal arts giving employers graduates who are grounded in communications skills, critical thinking and problem solving.

Montclair State faculty have extensive practical experience, not just theoretical. That kind of balance is beneficial in the classroom. All courses in the CS major are taught by full-time faculty, not graduate students. Class sizes are never more than 30 students. Other area universities are too large and impersonal to offer the kind of personal attention we offer at MSU.

