The graduate programs in Computer Science provide students with a solid foundation in computer science theory and practice, as well as opportunities to solve real-world problems through participation in research and internships. The Master of Science program is excellent preparation for a career in computing or for pursuing a doctorate and offers both thesis and non-thesis options. The Ph.D. program prepares the student for a productive career as a research scholar in universities, the fields of industrial research and development, or within government research agencies. The program develops the student’s ability to recognize and formulate significant research problems, to express those using appropriate abstract models, to apply theoretical and/or experimental techniques for their solution, and to transmit the results to the scientific community.

**OUR STUDENTS PUT THEIR SKILLS TO WORK**

Computer Science graduate students have the opportunity to select from a wide array of courses and to apply what they learn while performing research with world-class faculty. A few examples of research areas are:

- **Facial Recognition**
- **Fake News**
- **Deep Learning**
- **Next Gen Wireless Networks**
- **Cybersecurity**
- **Big Data and Data Mining**

“CS faculty have always encouraged and challenged me to explore the unexplored and prepared me with the right skill set to be able to use technology to solve real-world issues.”

**SHIVAM PARIKH, COMPUTER SCIENCE DOCTORAL STUDENT**

Associate Professor of Computer Science Siwei Lyu has done considerable research on DeepFakes, developing new methods to detect altered or faked digital images and videos.
WHY COMPUTER SCIENCE @UALBANY?

- **FACULTY:** Learn from renowned professors who provide a well-rounded and critical understanding of this dynamic discipline.
- **RESEARCH:** Exciting opportunities to participate in a robust research agenda with our actively engaged faculty. Current research includes, but not limited to, next generation wireless networks, DeepFakes, Big Data, ‘fake news’ detection, data mining, machine learning, cybersecurity, and more!
- **PREPARATION:** A wide variety of courses and the ability to build your program of study to meet your career goals.
- **COST:** Save with tuition rates lower than those at most private universities.
- **LOCATION:** Live in proximity to New York’s Tech Valley and take advantage of numerous internship and job opportunities available within the public and private sectors of this innovative region.
- **ACCREDITATION:** Earn your degree from a regionally accredited institution.
- **NETWORK:** Gain access to an invaluable network of leading professionals in the field of computer science.

“A** The UbiNET Lab at UAlbany conducts research in next generation mobile wireless networks. Having an extensive background in field-deployed research in rural Africa and the U.S., I take great joy in passing my knowledge and enthusiasm about communication networks to my students. Seeing some of them go on to pursue research in the field is the most rewarding part of teaching”

MARIYA ZHELEVA, ASSISTANT PROFESSOR, COMPUTER SCIENCE

A CAREER THAT CAN TAKE YOU ANYWHERE

According to Forbes, the tech sector has some of the best paying jobs available. This isn’t surprising considering the growing number of companies who are realizing its significance. Here is a list of the site’s top five industries in which to find a job in computer science:

- APPLICATION DEVELOPER
- DATA ANALYST
- MULTIMEDIA PROGRAMMER
- IT CONSULTANT
- SOFTWARE ARCHITECT

For more information on the Masters and Ph.D. in Computer Science, visit [http://www.albany.edu/graduate](http://www.albany.edu/graduate) or contact the Graduate School at [graduate@albany.edu](mailto:graduate@albany.edu) or (518) 442-3980.

APPLY ONLINE

The Graduate School at the University at Albany offers an online step-by-step guide to the application process. This resource provides detailed information for both domestic and international students, and includes forms, deadlines, requirements and fees.

[www.albany.edu/graduate/apply](http://www.albany.edu/graduate/apply)

Student consumer information, including non-discriminatory policies, safety and security, Cleary Act, etc., can be found at [http://www.albany.edu/ir/rtk](http://www.albany.edu/ir/rtk)