WELCOME TO NJIT!
NJIT is one of the nation’s leading public polytechnic universities, and a top-tier research institution. With an enrollment of more than 11,400 students, NJIT offers small campus intimacy with the resources of a major public research university. NJIT is a global leader in fields such as solar research, multimedia databases, big data, vehicular networking, medical informatics, bioinformatics, information systems, and cybersecurity. NJIT’s research expenditures exceed $140 million annually, and it is among the top 1 percent of US public colleges and universities for return on investment, according to PayScale.com. NJIT occupies a 45-acre campus in the University Heights section of downtown Newark, along with the Newark campus of Rutgers – The State University of New Jersey, the Rutgers New Jersey Medical School, and Essex County College.

Academic Environment
Several NJIT student organizations are active in the computer science department, enhancing our students’ experience, making it richer and more rewarding. These include a student chapter of the Association of Computing Machinery, a chapter of the Women in Computing Society, a department-wide association of computer science students (DeepCS), and an institute-wide graduate student association. Together, these organizations provide a wide range of support services, such as financial support for conference travel, on-campus professional events (e.g., seminars, workshops, research showcases, programming contests, hacking contests), networking events, and off-campus corporate visits.

Professional Environment
Usually known as the Garden State, New Jersey is also referred to as the “Garden of Innovation State,” in reference to its longstanding tradition as a hub for scientific and technological innovation. Located in Newark’s University Heights, NJIT is part of a vibrant ecosystem of high technology players. These include major pharmaceutical companies (e.g., Pfizer, Merck, Bristol-Myers Squibb, Johnson & Johnson), telecommunications companies (e.g., Audible, Verizon, AT&T), Wall Street companies (e.g., Deutsche Bank, Bloomberg, Goldman Sachs), corporate research centers (e.g., Panasonic, Siemens, NRC), and federal agencies (e.g., Federal Aviation Administration). These offer NJIT students and graduates ample opportunities for internships, entrepreneurship and employment.
**ACTIVE RESEARCH PROJECTS**

**Title:** Framework for automatically formed cancerous tumors 
**Participant:** Zhi Wei 
**Funding Source:** National Science Foundation 
**Active from:** October 1, 2015 to September 30, 2018

**Title:** Principles of Computational Communication Networks 
**Participant:** Ali Mili 
**Funding Source:** National Science Foundation 
**Active from:** August 20, 2015 to August 19, 2018

**Title:** Transfer learning for recommender systems 
**Participant:** Jason Wang 
**Funding Source:** A Swiss Blockchain Foundation 
**Active from:** August 20, 2015 to August 19, 2018

**Title:** Securing software supply chain logistics 
**Participant:** Kurt Rohloff 
**Funding Source:** Army Research Laboratory, IARPA 
**Active from:** August 20, 2015 to August 19, 2018

**Title:** OPCaG network for nuclear physics (OPCn) 
**Participant:** Chase Wu and Qiang Tang 
**Funding Source:** Department of Energy: STTR 
**Active from:** February 25, 2017 to February 2018

**Title:** MMARIL 
**Participant:** Bao-Shen Liu 
**Funding Source:** Department of Energy: BES-STR 
**Active from:** March 1, 2017 to March 2017

**Title:** ARMIL 
**Participant:** Rafael Bourgois 
**Funding Source:** Department of Energy: BES-STR 
**Active from:** March 1, 2017 to March 2017

**Title:** AI for security and defense (AI4SD) 
**Participant:** Qiang Tang 
**Funding Source:** Army Research Laboratory 
**Active from:** February 2017 to 2017

**Title:** AVIS 
**Participant:** Qiang Tang 
**Funding Source:** National Science Foundation 
**Active from:** September 1, 2017 to February 2018

**Title:** Optimization for autonomous systems 
**Participant:** Iulian Neamtiu 
**Funding Source:** National Science Foundation 
**Active from:** September 1, 2017 to February 2018

**Title:** Computational methods for geometric data analysis 
**Participant:** Jin Wu 
**Funding Source:** National Science Foundation 
**Active from:** 2016 to 2019

**Title:** Stochastic reaction models for systems biologists 
**Participant:** C.J. Liu 
**Funding Source:** National Science Foundation 
**Active from:** 2016 to 2019

**Title:** Robust Learning-Based Systems 
**Participant:** Chase Wu and Qiang Tang 
**Funding Source:** Department of Energy: STTR 
**Active from:** September 1, 2015 to September 2016

**Title:** Artificial intelligence and machine learning for biometric systems 
**Participant:** Kathy Plank 
**Funding Source:** National Science Foundation 
**Active from:** September 2014 to September 2015

**Title:** Multistage decision-making for software evolution 
**Participant:** Ali Mili 
**Funding Source:** National Science Foundation 
**Active from:** February 21, 2017 to February 20, 2018

**Title:** Structural Analysis of Biomedical Ontologies 
**Participant:** Senjuti Basu Roy 
**Funding Source:** National Library of Medicine 
**Active from:** January 1, 2016 to December 31, 2018

**Title:** Computational methods for big data analytics 
**Participant:** Qiang Tang 
**Funding Source:** National Science Foundation 
**Active from:** 2015 to 2018

**Title:** Artificial intelligence for medicine startup 
**Participant:** Yehoshua Perl 
**Funding Source:** National Science Foundation 
**Active from:** October 1, 2015 to September 30, 2018

**Title:** Cytokines and chronic disease 
**Participant:** Vincent Oria 
**Funding Source:** National Science Foundation 
**Active from:** September 26, 2015 to September 25, 2018

**Title:** Optimization of big data scientific workflows 
**Participant:** Ali Mili 
**Funding Source:** Army Research Laboratory 
**Active from:** September 1, 2015 to August 31, 2018

**Title:** An artificial intelligence for medicine startup 
**Participant:** Yehoshua Perl 
**Funding Source:** National Science Foundation 
**Active from:** September 1, 2015 to August 31, 2018

**Title:** Computational methods for big data analytics 
**Participant:** Ali Mili 
**Funding Source:** Army Research Laboratory 
**Active from:** September 1, 2015 to August 31, 2018

**Title:** Computational methods for big data analytics 
**Participant:** Ali Mili 
**Funding Source:** Department of Defense: DARPA 
**Active from:** September 1, 2015 to August 31, 2018

**Title:** NIMH addiction and fertility 
**Participant:** Senjuti Basu Roy 
**Funding Source:** National Institute on Aging 
**Active from:** October 1, 2015 to May 31, 2017

**Title:** Activity based costing 
**Participant:** Ali Mili 
**Funding Source:** Department of Defense: DARPA 
**Active from:** October 1, 2015 to May 31, 2017

**Title:** Optimization for autonomous systems 
**Participant:** Ali Mili 
**Funding Source:** Department of Defense: DARPA 
**Active from:** September 1, 2015 to August 31, 2018

**Title:** Computational methods for big data analytics 
**Participant:** Ali Mili 
**Funding Source:** Department of Defense: DARPA 
**Active from:** September 1, 2015 to August 31, 2018

**Title:** Artificial intelligence for medicine startup 
**Participant:** Yehoshua Perl 
**Funding Source:** National Science Foundation 
**Active from:** September 1, 2015 to August 31, 2**