

FELLOWSHIP

Thomas J. Watson Fellow, Class of 2017

- One of 40 students nationwide to receive fellowship to pursue a personal interest internationally
- Exploring innovations in transportation across six countries around the world
- Developing an understanding of transportation outside of the US's firmly entrenched car culture

EDUCATION

Union College, Schenectady, NY

- Bachelor of Science in Computer Engineering, Minor in Astronomy, June 2017
- Department GPA of 3.4, Overall 3.2

PROJECT AND TEAM EXPERIENCE

Workshop Presenter, Genetic and Evolutionary Computation Conference 2017, Berlin, DE

- Presenting workshop paper on a robotics simulator at ACM's SIGEVO conference
- Researched and wrote paper with two other students and a Union professor

Senior Project, Tensegrity, Computer Science Department

- Designed and built struts used to create a vibrating, soft robot called a tensegrity
- Used RFDuino microcontrollers and Bluetooth communication receivers to create a wireless strut
- Collaborated with 5 team members across 3 departments

Electronics Lead, SAE Aero Airplane Design Team, Mechanical Engineering Department

- Co-Captained team of 16 students designing and building remote-controlled plane for competition
- Placed 7th of 18 teams at international student competition in April 2016

WORK AND INTERNSHIP EXPERIENCE

Lab Assistant, Union College Computer Science Department

- Joined a Professor in teaching lab sections of 200-level computer science course
- Helped students with projects on the lowest levels of computer architecture and Assembly language

Product Team Intern, EVO Snap, Denver, CO*

- Developed front-end of a new payment processing web application
- Familiarized with tools such as HTML, CSS, Javascript, and the AngularJS framework
- Given authority to make high-level structure and user interface design decisions

UStar TechTeam, Union College ITS Department

- Serve as computer support resource for Union students and the local community
- Help students with computer issues such as virus protection and networking problems

TECHNICAL SKILLS

Programming Languages

- Comfortable writing in Python, Java, JavaScript; have written C, C++, HTML/PHP, Assembly, VHDL

Software Proficiencies

- Includes Bash, Git, Docker, AWS, WEKA, Multisim, Logisim, Quartus, IRAF, Adobe Creative Suite
- Worked extensively with Windows, Mac, and Unix operating systems

CAMPUS AND COMMUNITY INVOLVEMENT

Science and Technology Editor, The Concoriensis Student Newspaper, Union College

- Manage a collection of 30+ writers, edit and layout content on sci/tech news on and off campus

Vice President/Treasurer, Film Committee, Union College

- Select, pay for, and help run the films shown weekly in Reamer Campus Center

Member, Astronomy Discussion Group, Physics Department, Union College

- Discuss weekly with Astronomy professors recent research in astronomy and physics

Team Member, Men's Club Ice Hockey, Union College

President, Mountebanks Theatre Club, Union College

Performer and Assistant Director, School Musical: Chicago

- Produced entirely student-run show and played lead role of Billy Flynn

Staff Writer, The Concoriensis Student Newspaper, Union College

Jul '17 - Present

Sep '14 - Jun '17

Apr '17 - Jul '17

Apr '16 - May '17

Oct '14 - May '16

Jan '17 - Mar '17

Jun '16 - Sep '16

Sep '16 - Jun '17

Aug '13 - Jun '17

Sep '16 - Jun '17

Sep '14 - Jun '17

Sep '15 - Jun '16