

## FELLOWSHIP

### *Thomas J. Watson Fellow, Class of 2017*

- One of 40 students nationwide to receive fellowship to explore a personal interest internationally
- Discovered innovations in transportation across eight countries around the world
- Developed 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 3.3, Overall 3.2

## PROJECT AND TEAM EXPERIENCE

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

- Presented 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 Teaching 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*

- Served as computer support resource for Union students and the local community
- Helped fix simple computer issues such as virus protection and networking problems

## TECHNICAL SKILLS

### *Programming Languages*

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

### *Software Proficiencies*

- Includes Git, Docker, AWS, WEKA, Multisim, Logisim, Quartus, IRAF, Adobe Creative Suite
- Worked extensively with Windows, some experience with Mac and Linux 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-Aug '18

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