

## EDUCATION

### **Massachusetts Institute of Technology (MIT)**

Candidate for Bachelor of Science in Computer Science and Engineering GPA: 4.8/5.0

**Cambridge, MA**

Jun 2019

### **Gretchen Whitney High School (WHS)**

GPA: 4.0/4.0

**Cerritos, CA**

Jun 2015

## EXPERIENCE

### **MIT Computer Science and Artificial Intelligence Lab (CSAIL) | Undergrad Researcher**

**Cambridge, MA**

- > Tested and analyzed sensors and their performance for improvement of positioning of small vehicles like quadcopters and rovers Jun-Aug 2017
- > Measured variance of ultra-wide band sensors using ROS and Python
- > Set up experiments to pair ultra-wide band sensors with GPS sensors to improve localization of small vehicles

### **MIT International Science and Technology Initiatives (MISTI-HK) | Undergrad Researcher**

**Hong Kong**

- > Experimented with a Convolutional Neural Network (CNN) Python model to yield improved accuracy for digits and cells data sets Jun-Aug 2016
- > Increased accuracy by tweaking parameters in the code, learned about the different parameters in machine learning and how they can affect accuracy

### **Boeing High School Internship | Phantom Phoenix Intern**

**Huntington Beach, CA**

- > Designed a small satellite for the monitoring of earth albedo in a mock project through collaboration with my intern team of 4 and the Boeing Phantom Works division Jun-Aug 2014
- > Developed experience in teamwork, project management and spacecraft subsystems and analysis

## SKILLS

**Software:** Python, Java, HTML & CSS, JavaScript (basic), ROS (basic)

## ACTIVITIES/LEADERSHIP

### **MIT Women in EECS (WIEECs) | Community Events Committee**

**Cambridge, MA**

- > Planning budgets and logistics as well as executing community events to support and engage our community of women in EECS on campus in a team of 3 Aug 2017-present
- > Organizing events that include lightning talks, workshops, movie/game nights, and mixers with other colleges/other women in engineering clubs on campus to bring passionate women together and encourage support of each other

### **Google CodeU Program | Participant**

**Cambridge, MA**

- > Designed and improved a basic chat application in a team of 3 students, adding features including username and password login, simple cryptography, and database persistence Feb-May 2017
- > Participated in regular code reviews and technical coding practices with Google engineers and learned industry best practices

### **MIT Code for Good | Consulting Team**

**Cambridge, MA**

- > Collaborated in a small team to assist our nonprofit (Green Streets Initiative) with technical issues Oct 2016-Feb 2017
- > Created an employer interface on our nonprofit's website, utilizing Python, Django, and HTML and CSS, so that employers participating in their program, Walk/Ride Day, can access their individual company's statistics
- > Communicated with our nonprofit to provide solutions and suggestions to any requests for new features/improvements

### **WHS VEX Robotics Team | Programmer, Instructor**

**Cerritos, CA**

- > Wrote code for our competition and demo robots, showcased at competitions, outreach events and demos at local schools and fairs Sept 2013-Jun 2015
- > Taught basic RobotC programming and building skills to 20+ students during our "Robocamp" for two summers
- > Demonstrated teamwork, time management, and communication skills to grow as a team and achieve team goals

## HONORS

**National Center for Women in Technology | NCWIT Award for Aspirations in Computing SoCal Affiliate Winner**

Community of supportive women passionate in computing and IT

2015