

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

Tumblr Software Engineering Internship | Core PHP Intern

New York, New York

- > Upgrading Tumblr to use OAuth2 for third party clients
- > Working on various tasks from tickets that include API + PHP related and other backend related issues
- > Contributing during weekly team meetings, code reviews, and task allocation

Jun-Aug 2018

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 including quadcopters and rovers
- > 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

Jun-Aug 2017

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
- > Increased accuracy by adjusting parameters, learned about the different parameters and how they can affect output

Jun-Aug 2016

SKILLS

Software: Python, Java, HTML & CSS, JavaScript, PHP, ROS

ACTIVITIES/LEADERSHIP

HackNY Fellowship Program | Fellow

New York, New York

- > Participating in talks at various NYC startups and working on coding projects for social good in a community of HackNY fellows and mentors
- > Developing a teacher dashboard for Cognitive Toybox for their application, aimed to boost children's learning
- > Developing a project display site for ScriptEd, which strives to share coding education with under-resourced schools, to display their students' projects

May-Aug 2018

MIT Women in EECS (WIEECS) | Community Events Director

Cambridge, MA

- > Leading the committee on planning budgets and logistics as well as executing community events to support and engage our community of women in EECS on campus
- > 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

Aug 2017-present

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
- > Participated in regular code reviews and technical coding practices with Google engineers and learned industry best practices

Feb-May 2017

MIT Code for Good | Consulting Team

Cambridge, MA

- > Collaborated in a small team to assist our nonprofit (Green Streets Initiative) with technical issues
- > 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

Oct 2016-Feb 2017

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