

Lydia Xing

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EDUCATION

Carnegie Mellon School of Computer Science

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Pittsburgh, PA

Expected May, 2022

Brookline High School

GPA: 3.93/4.0

Boston, MA

May, 2018

Honors: National Honor Society, National Merit Commended, National Center for Women in Tech. MA winner, Society of Women Engineers High Honors, Brookline Youth Recognition Award 2017 & 2018, St. Michael's College book award

SKILLS

Proficient: Java, Javascript, jQuery, AJAX, Git

Some experience with: AngularJS, Python, Android Studio, Bash, Arduino, Solidworks

EXPERIENCE

Horizons School of Technology

SUMMER IMMERSIVE PROGRAM STUDENT

San Francisco, CA

June, 2018 - August, 2018

- Recipient of Horizons full scholarship
- Learning full-stack web development, web security, and principles of scaling
- Gaining experience in Node.js, Mongo.db, React, Express.js, Electron.js, Redis

MIT Beaver Works RACECAR

STUDENT

Cambridge, MA

July, 2017 - August, 2017

- Gained experience in ROS, Gazebo, OpenCV
- Learned about various control systems: PID, pure pursuit, Monte Carlo localization, local and global potential field controllers, AR tracking, and principles of localization and pose estimation

Brookline Lego Robotics Program

FOUNDER, DIRECTOR

Brookline, MA

June, 2016 - June, 2018

- Taught students to use Lego Mindstorms and Arduinos
- Founded two FIRST Lego League teams, serving 20 middle school students
- Secured space, recruited and trained instructors and volunteers, designed curriculum and daily agendas
- Ran pilot summer workshop and raised funds for FIRST Lego League teams, waiving fees for students in need
- Teams won Strategy and Innovation award at 2016 Revere FLL Qualifier
- Over 120+ total hours

ACTIVITIES/INTERESTS

FIRST Robotics Team 125 - NUTRONS:

STUDENT PROGRAMMING LEAD

Boston, MA

September 2015 - February, 2018

- Division champions at St. Louis World Championship 2017, finished 4th overall at St. Louis World Championship 2017
- Rhode Island District Dean's List Award recipient
- Developed Android trajectory app that won team Innovation in Control Award at 2016 Arizona Regional
- Implemented PID controllers for self-correcting and computer vision targeting
- Selected as robot operator based on commitment and technical ability
- Conducted Chairman's award presentations
- Over 1,200+ total hours

MetroHacks

CO-SPONSORSHIP DIRECTOR

Boston, MA

September 2017 - June, 2018