Lydia Xing

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EDUCATION

Carnegie Mellon School of Computer Science   *Pittsburgh, PA*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE   *Expected May, 2022*

Brookline High School   *Boston, MA*
GPA: 3.93/4.0   *May, 2018*
Honors: National Center for Women in Technology MA winner, Society of Women Engineers High Honors, 2017-2018 SpaceX FIRST Alumni Scholarship recipient, Raytheon FIRST Scholarship recipient

SKILLS

Proficient: Javascript, jQuery, AJAX, Node, Mongoose, Express, React, Heroku, Git, Bootstrap, Java
Some experience with: AngularJS, Python, Android Studio, Arduino

EXPERIENCE

Horizons School of Technology   *San Francisco, CA*
SUMMER IMMERSIVE PROGRAM STUDENT   *June, 2018 - August, 2018*
- Recipient of Horizons full scholarship
- Learning full-stack web development skills including web security, deployment, and principles of scaling through hands-on exercises
- Logged over 280+ hours of coding time

MIT Beaver Works RACECAR   *Cambridge, MA*
STUDENT   *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   *Brookline, MA*
FOUNDER, DIRECTOR   *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: *Boston, MA*
STUDENT PROGRAMMING LEAD   *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   *Boston, MA*
CO-SPONSORSHIP DIRECTOR   *September 2017 - June, 2018*