

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

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, Git

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

Experience

Brookline Middle School 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, developed curriculum and daily agendas
- Ran pilot summer workshop and raised funds for First Lego League teams, waiving fees for students in need
- Won Strategy and Innovation award at 2016 Revere FLL Qualifier
- Over 120+ total hours

MIT Beaver Works Summer Institute

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

Horizons School of Technology

SUMMER IMMERSIVE PROGRAM STUDENT

San Francisco, CA

June, 2018 – August 2018

- Horizons Scholarship recipient - fully-funded scholarship to cover the cost of tuition + housing, awarded to 5-8% of a given class

Activities/Interests

FIRST Robotics Team 125 - NUTRONS

PROGRAMMING LEAD

Boston, MA

September 2015 – June 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 Arizona Regional, 2016
- 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 Board

SPONSORSHIP CO-DIRECTOR

Cambridge, MA

September 2017 – June 2018

- Managed branding and budgeting for largest high school hackathon in New England
- Contacted companies for funding and partnerships, applied to community grants

Brookline High Math Team

CAPTAIN

Brookline, MA

September, 2014 – June 2018

Brookline High Computer Science Club

CAPTAIN, FOUNDER

Brookline, MA

September, 2016 – June 2018