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   *Boston, MA*
GPA: 3.93/4.0   *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, Arduino

Experience

Brookline Middle School 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, 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   *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

Horizons School of Technology   *San Francisco, CA*
SUMMER IMMERSIVE PROGRAM STUDENT   *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   *Boston, MA*
PROGRAMMING LEAD   *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   *Cambridge, MA*
SPONSORSHIP CO-DIRECTOR   *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   *Brookline, MA*
CAPTAIN   *September, 2014 – June 2018*

Brookline High Computer Science Club   *Brookline, MA*
CAPTAIN, FOUNDER   *September, 2016 – June 2018*