Lydia Xing

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EDUCATION

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

SKILLS

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

EXPERIENCE

Horizons School of Technology   *San Francisco, CA*
SUMMER IMMERSIVE PROGRAM STUDENT, FULL SCHOLARSHIP RECIPIENT   *June, 2018 - August, 2018*
- Learned and applied 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*
- Used ROS and OpenCV to implement various control systems such as PID, pure pursuit, and local/global potential field controllers on miniature autonomous cars

Brookline Lego Robotics Program   *Brookline, MA*
FOUNDER, DIRECTOR   *June, 2016 - June, 2018*
- Founded two FIRST Lego League teams, serving 20 middle school students
- Secured space, recruited and trained instructors and volunteers, designed curriculum and daily agendas teaching students to use Lego Mindstorms
- 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

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
- Selected as robot operator based on commitment and technical ability
- Over 1,200+ total hours

PROJECTS

Carnegie Cupid - HACKCMU GSK CATEGORY 1ST PLACE, TEAM PROJECT
- Web app using real-time sentiment analysis on voice-to-text transcript and machine learning on webcam livestream to determine if your date is interested in you. Worked on API integration, voice-to-text transcription, and frontend
- Used Microsoft's Custom Vision AI and Text Analysis API, Google Web Speech API

Online Vision Therapy - HORIZONS HACKATHON HONORABLE MENTION, INDIVIDUAL PROJECT
- Used Webgazer.js to track eyes/provide real-time feedback and CSS animations to create eye exercises such as saccades, pursuits, etc.

AWARDS

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