

Lydia Xing

✉ lydix@andrew.cmu.edu | [lydixing](#) | [lydix](#) | lydixing.com | ☎ 617-921-2302

EDUCATION

Carnegie Mellon School of Computer Science

B.S. IN COMPUTER SCIENCE, GPA: 3.63

*Pittsburgh, PA
Expected May 2022*

EXPERIENCE

SigOpt

SOFTWARE ENGINEERING INTERN

*San Francisco, CA
May 2019 - Present*

- Modified core API Objects, corresponding infrastructure, and web design to allow for metric minimization, a feature requested and to be used by Two Sigma engineers
- Developed site admin invite feature now used in all new employee onboardings
- Enhanced usage report tools for site admins and customer success team, adding additional data on site admin dashboard and the ability to sort users
- Creating heat map visualization of API request origins for marketing collateral

Horizons School of Technology

SUMMER IMMERSIVE PROGRAM STUDENT

*San Francisco, CA
Jun 2018 - Aug 2018*

- Applied full-stack web development skills through building web apps such as minesweeper and slapjack
- Selected for a full scholarship awarded to 5 - 8% of the class
- Logged over 280+ hours of coding time

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.
- Used Microsoft's Custom Vision AI and Text Analysis API, Google Web Speech API

Online Vision Therapy - HORIZONS HACKATHON HONORABLE MENTION, INDIVIDUAL PROJECT

- Web app with a variety of vision therapy exercises for conditions such as strabismus
- Used Webgazer.js to track eyes/provide real-time feedback and CSS animations to create eye exercises such as saccades, pursuits, etc.

ACTIVITIES

FIRST Robotics Team 125 - NUTRONS

STUDENT PROGRAMMING LEAD, ROBOT OPERATOR

*Boston, MA
Sep 2015 - Feb 2018*

- Lead vision subteam and implemented PID controllers for self-correcting targeting
- Division champions and finished 4th overall at 2017 St. Louis World Championship
- Developed Android app that won team Innovation in Control Award at 2016 Arizona Regional
- Rhode Island District Dean's List Award recipient

SKILLS

Languages: Python, Javascript ES6, C, Java

Technologies: React, Express, Mongoose, Node.js, Bootstrap

AWARDS/MISC

Rewriting the Code Fellow, 2018 Jane Street INSIGHT attendee, 2018 Raytheon FIRST Scholarship
2017-2018 SpaceX FIRST Alumni Scholarship, CMU Buggy A-team pusher