

# Lydia Xing

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## **EDUCATION**

### **Carnegie Mellon School of Computer Science**

B.S. IN COMPUTER SCIENCE, GPA: 3.63

*Pittsburgh, PA  
Expected May 2022*

### **Horizons School of Technology**

SUMMER IMMERSIVE FELLOW

*San Francisco, CA  
Jun 2018 - Aug 2018*

## **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
- Created analysis website of most popular documentation pages and visuals of number of hits per day for company hackathon
- Creating heat map visualization of 12 months of API request origins for marketing collateral

## **PROJECTS/ACTIVITIES**

### **Carnegie Cupid** - HACKCMU GSK CATEGORY 1<sup>ST</sup> 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.

### **FIRST Robotics Team 125 - NUTRONS**

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, jQuery

## **AWARDS/MISC**

2019 Jane Street San Francisco Electronic Trading Competition 1<sup>st</sup> place, Rewriting the Code Fellow, 2018 Jane Street INSIGHT attendee, Horizons School of Technology Full Scholarship, 2018 Raytheon FIRST Scholarship, 2018 SpaceX FIRST Alumni Scholarship, CMU buggy A-team pusher