

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

EXPERIENCE

SigOpt

SOFTWARE ENGINEERING INTERN

San Francisco, CA

May 2019 - Aug 2019

- Modified API specification and web design to allow for metric minimization, a feature requested by multiple customers
- Created geographical heat map visualizing 12 months of API request origins to show global usage of SigOpt to prospective customers
- Automated granting essential developer privileges to new hires
- Enhanced usage report tools for customer success team, added data to site admin dashboard
- Developed website visualizing documentation page traffic for company hackathon

PROJECTS

Carnegie Cupid - 2018 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.

Online Vision Therapy - 2018 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

CIA Buggy

A-TEAM PUSHER, HILL 5

Pittsburgh, PA

Aug 2018 - Current

- Athlete in CMU-specific sport racing human-powered carbon-fiber vehicles containing a driver
- Placed 3rd out of 24 teams in 2019

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

SKILLS

Languages: Python, Javascript (ES6), C, SML, Java

Technologies: React, SQL, MongoDB, Node.js

AWARDS/MISC

1st place, 2019 Jane Street S.F. Electronic Trading Competition

2018 Horizons School of Technology Full Scholarship

2018 SpaceX FIRST Alumni Scholarship

2019 Rewriting the Code Fellow

2018 Jane Street INSIGHT attendee

2018 Raytheon FIRST Scholarship