Lydia Xing

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EDUCATION

Carnegie Mellon School of Computer Science *Pittsburgh, PA*
B.S. IN COMPUTER SCIENCE, GPA: 3.63 *Expected May 2022*

EXPERIENCE

SigOpt *San Francisco, CA*
SOFTWARE ENGINEERING INTERN *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 12 months of API request origins for marketing collateral

Horizons School of Technology *San Francisco, CA*
SUMMER IMMERSIVE PROGRAM STUDENT *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 *Boston, MA*
STUDENT PROGRAMMING LEAD, ROBOT OPERATOR *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

2019 Jane Street SF ETC 1st place, Rewriting the Code Fellow, 2018 Jane Street INSIGHT attendee, 2018 Raytheon FIRST Scholarship, 2018 SpaceX FIRST Alumni Scholarship, CMU buggy A-team pusher