Lydia Xing

✉ lydiax@andrew.cmu.edu | ⌨ lydiaxing | 💼 lydiax | 🖥 lydiaxing.com | ☎ 617-921-2302

EDUCATION

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

Horizons School of Technology   *San Francisco, CA*
SUMMER IMMERSIVE PROGRAM STUDENT   *Jun, 2018 - Aug, 2018*
- Learned and applied full-stack web development skills including web security, deployment, and principles of scaling through hands-on exercises
- Selected for Horizons Fellowship, a full scholarship awarded to 5 - 8% of the class
- Logged over 280+ hours of coding time

EXPERIENCE

SigOpt   *San Francisco, CA*
SOFTWARE ENGINEERING INTERN   *May 2019 - Present*

CubeRover - CMU Field Robotics Center   *Pittsburgh, PA*
FLIGHT SOFTWARE TEAM MEMBER   *Sep 2018 - Dec, 2018*
- Part of flight software team of 2-kg lunar rover scheduled to be sent to the moon in 2021/2022
- Assisted porting NASA library F-Prime to FreeRTOS and migrating existing codebase to F-Prime

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
- 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/INTERESTS

CIA Buggy   *Pittsburgh, PA*
PUSHER, WOMEN'S HILL 5 A TEAM   *Aug 2018 - Present*
- Training for annual race where 5 sprinters push an un-motorized vehicle (the buggy) containing a driver in relay format, up hills near CMU
- 2018 Women's 3rd Place

SKILLS

Languages: Python, Javascript ES6, C, Java, SML
Technologies: React, Express, Mongoose, Node.js, jQuery, Git, AngularJS, CSS3

AWARDS/MISC

2017-2018 SpaceX FIRST Alumni Scholarship
2018 Raytheon FIRST Scholarship
2018 Jane Street INSIGHT attendee