

Yuhan Xiao

Objective

Looking for a software engineer intern position for summer 2019.
Available to start after May 21.

Contact

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Education

Carnegie Mellon University (2017-2021)
B.S. Electrical and Computer Engineering
Minor in Computer Science

Skills

Proficient: Python, C
Familiar:
C++, HTML/CSS,
JavaScript, Unix/Linux,
Arduino

Coursework

Fundamentals of Programming
Imperative & Functional Programming

Experience

Carnegie Mellon University Cylab (Jun - Aug 2018)

Research Assistant

- Led a team to pre-process the datasets used for deep learning algorithm in General Motor autonomous vehicles
- Developed new features for annotation tools such as label batch deletion and keyboard shortcuts to improve developers' user experience

BestWise Tech Co - Airport Transit Service App (Feb - May 2017)

Operation Team Member

- Improved the user experience of the airport transit system by developing a mobile app called Airport Transit Service
- Drove the communication between product managers and software engineers with feedbacks from end users

Carnegie Mellon University Academic Development (Sep - Dec 2018)

Tutor

- Conducted weekly collaborative learning sessions of a 50-people group for the course Introduction to Electrical and Computer Engineering

Projects

More projects online at <https://yuhanx0728.github.io/>

Labelling

- Created the batch deletion method to speed up labelling, which improved the average annotation speed from 0.005 FPS to 0.02 FPS
- Configured keyboard shortcuts for controlling label boxes on sample images

Transit (<https://github.com/yuhanx0728/Transit>)

- A Google Home Action that enables users to check when the bus is coming
- Utilized: Flask, Python, Dialogflow, Pittsburgh Public Transport API and Heroku

Website Monitor (<https://github.com/yuhanx0728/website-monitor>)

- Allow users to track the content of a website and be notified via text once changes are detected
- Utilized: Requests library, Twilio API, and asynchronous programming

HackCMU Project - CMU Route Finder

- Utilized A-star algorithm to find the shortest route from source to destination
- Built a django web app to help students navigate on campus

Leadership

Institute of Electrical and Electronics Engineers(IEEE), CMU Chapter

Vice President

- Oversaw the event planning process for the majority of the student-led events under ECE department
- Recruited, led and managed a team of 10 ECE students