

# 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  
Computer Systems

## 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 <http://yuhany.com/about>*

**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/yuhany0728/Transit>)

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

**Website Monitor** (<https://github.com/yuhany0728/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*

- Spearheaded the planning process for various student events, holding the majority of the student events under ECE department
- Streamlined organization workflow and optimized team structure