

JASON MA

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EDUCATION

Carnegie Mellon University **August 2015 - May 2019**

- Bachelor of Computer Science and Arts. Expected Class of 2019. GPA: 3.9 / 4.0
- Undergraduate Coursework: Computer Systems, Parallel and Sequential Data Structures and Algorithms, Functional Programming

Languages and Skills

- Proficient: Python, CSS & HTML, SML, C, Swift, Javascript, Meteor, Flask, Node.js
- Prior experience: Java

EMPLOYMENT

Fullstack Software Engineer Intern **Zinc.io** **June 2016 - August 2016**

- Worked with MeteorJS and Flask to implement rich e-commerce api
- Built automated tools for scraping web data such as product prices, search queries, and listing info from various retailer websites
- Worked both front and back end to create a robust gift sending application using in-house api (<https://sendthatgift.com>)

Fundamentals of Computer Science Course Assistant **Carnegie Mellon University School of Computer Science** **January 2016-June 2016**

- Organized, led, and taught a 30 student recitation in fundamentals of Python and computer science.
- Held personal office hours, private tutoring, and review sessions for students.
- Evaluated homework, tests, and field work to ensure students understood course concepts.

Software Developer Intern **Software Engineering Institute** **January 2016-Present**

- Worked with JavaScript and Python to implement user friendly data analysis software
- Designed research to evaluate how users interact with interface
- Reviewed use of machine learning to reduce massive data sets into readable and clean visuals

PROJECTS

Bing Bot **August 2016**

- Utilized casperjs and phantomjs to create a headless browser script to automate bing searches
- Deployed virtual cloud computing platform to host the scripts via Digital Ocean

Autonomous Flight Controller **December 2015 - Present**

- Created an autonomous hovering quadcopter with low level functions such as basic movement stabilization run by an Arduino
- Implemented a Raspberry pi to incorporate higher levels of computation such as computer vision
- Project included aspects of feedback control theory and embedded systems.

ADDITIONAL EXPERIENCE AND AWARDS

- **15-112 Term Project Winner:** Won top 12 overall out of 600 students in a programming course at Carnegie Mellon. Presented and demoed the project in front of students and faculty.
- **Dean's List (f15 and s16):** Recognized for academic excellence in Fall 2015 and Spring 2016.