Michael Chen

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Skills: Python, C, Java, Javascript, Node.js, PyTorch, LabVIEW, Scrum, ROS, UI/UX Research

Education:

University of Massachusetts, Amherst | *(Expected Graduation: December, 2023)*

- Pursuing a BS in Computer Science
- *Relevant Coursework:* Algorithms, Discrete Mathematics, Data Structures, Machine Learning, Digital Forensics, Computer Systems, Search Engines, Human Computer Interaction, Software Engineering

Yonsei University, South Korea | *(September - December, 2022)*

- Spent a semester studying at a top 3 university in South Korea taking economics related classes.

Experience:

Tech-Start Intern | Liberty Mutual | Dover, NH | *(May 2022 – August 2022)*

- Assisted in the transition from old on-site databases to new cloud-based databases
- Responsibilities included learning the functions of the old databases, and then attempting to recreate the same functions in the new cloud databases using node.js

Intern | Boston College | Chestnut Hill, MA | *(July 2019 – August 2019)*

- Helped Boston College graduate researchers automate data collection using Python
- Data had previously been collected manually, and the machines required constant attending
- After the introduction of automated data collection, the machines were able to operate independently

Student | MIT Beaverworks | Cambridge, MA | *(June 2019 – July 2019)*

- Nominated by 3 teachers and then selected to be a student at Beaverworks, an intensive all-expenses paid summer program hosted by MIT
- At Beaverworks, worked in a team to learn and implement algorithms for self-driving RC vehicles using LIDAR and computer vision

Projects:

- Co-creator of *WaySub*, a website that allowed high school students to pre-order deli sandwiches, and receive them at the cafeteria during lunch time.
    - The project was highly successful during its 2 month trial run, and saw considerable use.
    - Website was coded using HTML, CSS, and Javascript, with mongodb as a database.
- Created a machine learning program which was capable of recognizing facial features
    - Written in Python using PyTorch and trained on the CelebA database: a database containing over 200,000 images of celebrities.
    - The program was able to accurately determine the facial features of random subjects who inserted a photo of themselves.