James Weng

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Education

University of Michigan — Ann Arbor, MI
MSE in Computer Science & Engineering — *January 2022 – December 2022*
BSE in Computer Science (GPA: 3.8/4.0) — *September 2018 – December 2021*

Bronx High School of Science — Bronx, NY
Advanced Designation with Honors — *September 2014 – June 2018*

Experience

Instructional Aide (Intro to Operating Systems) — August 2021 – December 2021
University of Michigan — *Ann Arbor, MI*

- Assisted students in project and lecture material in office hours and online forum
- Taught laboratory section to reinforce lecture concepts and introduce useful idioms/techniques for projects

SDE Intern — May 2021 – August 2021
Amazon Web Services — *New York, NY*

- Designed and created backend to calculate, store, and display frequency metadata for AWS Data Exchange (ADX) products
- Collaborated with ADX engineers and PMs to develop frequency calculation pipeline and customer requirements
- Documented system design and design decisions for future maintenance and additional metadata

SDE Intern — June 2020 – August 2020
Amazon Web Services — *Seattle, WA (virtual)*

- Designed, built, and deployed logs analyzer tool to obtain BI data from Elastic Container Service (ECS)
- Collaborated with ECS managers, PMs, and other stakeholders to identify pain-points in current tool and remedy them
- Worked with technologies like AWS Lambda, SQS, S3, and CloudWatch to complete project

Software Engineering Intern — May 2019 – August 2019
Fulcrum Global Technologies — *Chicago, IL*

- Pitched and developed Kaptic, a mechanical keycap marketplace with team of developers, UX designer, and PM
- Created marketplace backend and deployed Kaptic backend and frontend
- Assisted other interns and teams to deploy backends and infrastructure

Technical Skills

Languages: C++, Python, Go, TypeScript

Relevant Coursework

- Introduction to Distributed Systems (EECS 491)
- Introduction to Operating Systems (EECS 482)
- Introduction to Machine Learning (EECS 445)
- Search Engine Design (EECS 440)
- Data Structures & Algorithms (EECS 281)