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
                                                                                                        September 2014 – June 2018

Experience

Graduate Student Instructor   January 2022 – Present
University of Michigan   *Ann Arbor, MI*
- Graduate Student Instructor for Programming and Intro Data Structures (EECS 280)

Instructional Aide   *August 2021 – December 2021*
- Assisted students in project and lecture material in office hours and online forum for Introduction to Operating Systems (EECS 482)
- 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)