

James Weng

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Education

University of Michigan	Ann Arbor, MI
MSE in Computer Science & Engineering (GPA: 3.9/4.0)	January 2022 – May 2023
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

Graduate Student Instructor (Operating Systems)	August 2022 – Present
University of Michigan	Ann Arbor, MI
<ul style="list-style-type: none">Assist students in project and lecture material in office hours and online forumTeach laboratory section to reinforce lecture concepts and introduce useful idioms/techniques for projects	
Graduate Student Instructor (Programming & Intro Data Structures)	January 2022 – April 2022
Teaching Assistant (Operating Systems)	August 2021 – December 2021
Software Engineering Intern	May 2022 – August 2022
Snap Inc.	Santa Monica, CA
<ul style="list-style-type: none">Created new chart types for Mercury, Snap's data visualization toolCollaborated with PMs/users to develop user requirementsDocumented work allowing extension of new charts for future use cases	
SDE Intern	May 2021 – August 2021
Amazon Web Services	New York, NY
<ul style="list-style-type: none">Designed and created backend to calculate, store, and display frequency metadata for AWS Data Exchange (ADX) productsCollaborated with ADX engineers and PMs to develop frequency calculation pipeline and customer requirementsDocumented system design and design decisions for future maintenance and additional metadata	
SDE Intern	June 2020 – August 2020
Amazon Web Services	Seattle, WA (virtual)
<ul style="list-style-type: none">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 themWorked with technologies like AWS Lambda, SQS, S3, and CloudWatch to complete project	
Software Engineering Intern	May 2019 – August 2019
Fulcrum Global Technologies	Chicago, IL
<ul style="list-style-type: none">Pitched and developed Kaptic, a mechanical keycap marketplace with team of developers, UX designer, and PMCreated marketplace backend and deployed Kaptic backend and frontendAssisted other interns and teams to deploy backends and infrastructure	

Technical Skills

Languages: C++, Python, Go, TypeScript

Relevant Coursework

- Advanced Compilers (EECS 583)
- Distributed Systems (EECS 491)
- Operating Systems (EECS 482)
- Machine Learning (EECS 445)
- Search Engine Design (EECS 440)