

# JAMES WENG

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## EDUCATION

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### University of Michigan

*MSE in Computer Science & Engineering*

*BSE in Computer Science (GPA: 3.8/4.0)*

### Bronx High School of Science

*Advanced Designation with Honors*

Ann Arbor, MI

*January 2022 – December 2022*

*September 2018 – December 2021*

Bronx, NY

*September 2014 – June 2018*

## EXPERIENCE

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### Graduate Student Instructor (Programming & Intro Data Structures)

*University of Michigan*

*Instructional Aide (Intro to Operating Systems)*

- 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

*Amazon Web Services*

- 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

*Amazon Web Services*

- 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

*Fulcrum Global Technologies*

- 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

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**Languages:** C++, Python, Go, TypeScript

## RELEVANT COURSEWORK

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- 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)