

# Josiah McMenamy

Boston, MA

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## EDUCATION

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**Massachusetts Institute of Technology, School of Engineering** Overall GPA: 5.0/5.0  
Majoring in Computer Science and Engineering

Cambridge, MA  
June 2024

**Yuba Community College** Overall GPA: 4.0/4.0  
Majored in Mathematics while graduating high school

Yuba City, CA  
May 2020

**Technical Skills:** JavaScript, React, Typescript, Python, C++, PHP, SQL, Git

**Relevant Coursework:** Elements of Software Construction, Fundamentals of Programming, Introduction to Algorithms, Introduction to Machine Learning, Mathematics for Computer Science, Computation Structures

## EXPERIENCE

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### Comcast Advertising

Software Engineer Intern

June – August 2022

- Created a novel service to capture cost metric KPIs for the Userdata team, analyzing \$3M in annual spend.
- Leveraged technologies such as Snowflake, AWS Services (CloudWatch, S3, ECR, EKS), ArgoCD, Kubernetes, and Docker.
- Collaborated with the SRE team and created an observability dashboard on Grafana cloud utilizing a Prometheus push gateway.
- Refactored AWS Lambda code with the factory design pattern and contributed to an internal metric library, both of which are being adapted into production projects.

### National Security Innovation Network

Database Analyst Intern

June – August 2021

- Wrote database requirements for the redesign of the U.S. Army's Ration Analysis System
- Researched and provided detailed suggestions on the best cloud solutions for their database
- Presented our findings to senior leadership and provided a comprehensive report

### Association of Marshall Scholars

Software Engineer Intern

January – February 2021

- Developed a secure platform for AMS alumni and current students to connect with others in the association
- Worked with front-end and back-end development, PHP, and MySQL
- Identified ways to maintain security of users' information; password hashing, sanitizing user input

### Cisco Systems

Software Engineer Intern

June – August 2020

- Worked within the WebEx development team supporting both the US and EMEA based teams
- Developed enhancements, bug fixes, and feature requests for the internal diagnostic tool 'call tracker'
- Utilized Git, HTML, CSS, JavaScript, Python, and Ajax working within traditional Jira driven scrum/sprint sessions

## PERSONAL

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**Athletics:** Long Jumper on the MIT Varsity Track and Field team

**Interests:** Theta Tau Professional Engineering Fraternity, Community Service, Biking, Powerlifting, Reading