

Eric Mamani

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Education

Master of Science in Computer Science

Arizona State University

Anticipated: 12/2026

Tempe, AZ

Bachelor of Science in Computer Science

Brigham Young University - Idaho

Graduated: 12/2024

Rexburg, ID

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Full-Stack Web Development, Database Design & Management, Cloud Computing, Machine Learning
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Work Experience

Software Engineer Intern

Amazon

May 2025 - Present

Irvine, CA

- Added a new “weblab cleanup” feature in Internal UI, enabling marketers to smoothly update experiment states (launch, not launch, remove) after A/B test results were collected
- Engineered a **scalable full-stack dashboard** with **TypeScript + React** and serverless microservices (**Python, AWS Lambda, DynamoDB**), supporting **500+ concurrent Weblabs** and providing **100+ teams** with reliable, real-time experiment data.
- **Automated Weblab lifecycle updates**, reducing manual edits by **95%** and saving the org an estimated **200+ hours per quarter**.
- **Enhanced system reliability** by integrating **CloudWatch + SNS notifications to automatically flag Weblabs active for 60+ days**, ensuring timely cleanup and keeping the database consistent across 5+ regions.

Software Engineer Intern

General Motors

May 2024 - October 2024

Austin, TX

- Enhanced **Family First**, an internal HR application used by **50,000+ GM employees worldwide**, by implementing new features and fixing bugs, directly improving reliability and user satisfaction
- Established a Continuous Integration (CI) testing pipeline using **Java and TestNG**, automating **100% of manual checks**, reducing pre-deployment testing time from **2 hours to under 10 minutes**
- Partnered with cross-functional Agile teams, contributing to **10+ successful sprint deliveries** by participating in sprint planning, code reviews, and daily stand-ups

Software Engineer Intern

Amazon

May 2023 - July 2023

Tempe, AZ

- Developed a responsive UI and promotion validation feature with **React, Angular, AWS, and Java REST APIs**, enabling **5,000+ Amazon sellers** daily to check eligibility, eliminating manual review, cutting processing time ~80%, and **saving 400+ team hours/month**
 - Enhanced error feedback and validation logic, helping sellers quickly identify ineligible products and reducing repeated support inquiries by ~30%
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Projects

Personal Portfolio

May 2025

- Built a “Contact Me” feature on my portfolio using **GCP** for secure message storage and automated email notifications, ensuring 100% of incoming recruiter inquiries are received promptly.
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Technical Skills

- Full Stack Development: Java, JavaScript, React, TypeScript, HTML, CSS, Angular, Node.js
- Back End Development: Java, Python, Go, C#, C++, SQL, NoSQL, DynamoDB, MongoDB
- AI / Machine Learning: Python, PyTorch
- Cloud & DevOps: AWS, GCP, Azure, Docker, Microservices, REST APIs, Jenkins
- Developer Tools: Git, GitHub, Jira, VS Code, IntelliJ IDEA, Swagger