Eric Mamani

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Education

Bachelor of Science in Computer Science   **Graduated: 07/2024**
Brigham Young University - Idaho   Rexburg, ID
- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming (Java, JavaScript, Python), Full-Stack development, Relational Databases, and Machine Learning Fundamentals

Work Experience

Software Engineer Intern   **(Offer Extended for Fall 2025)**
PayPal   Scottsdale, AZ
Software Engineer Intern   **(Offer Extended for Summer 2025)**
Amazon.com   Irvine, CA
Software Engineer Intern   **May 2024 - October 2024**
General Motors   Austin, TX
- Produced high-quality unit tests and scalable code using **Java** and TestNG, increasing test coverage to 95%, leading to more reliable software and less manual testing
- Spearheaded full-stack software development projects leveraging **Python**, JavaScript, and **React**, driving a 15% increase in user satisfaction by delivering high-quality, data-driven solutions.
- Collaborated in **Agile/Scrum teams** to deliver high-quality software on a regular sprint cycle, participating in sprint planning, design, code reviews, and daily stand-ups

Software Engineer Intern   May 2023 - July 2023
Amazon.com   Tempe, AZ
- Developed a new UI operating **React**, Angular, and **AWS** for customers to input and validate deal information, improving error feedback on invalid requests
- Implemented API integrations and backend services, enhancing the efficiency of the deal validation process by 20%, automating checks, and providing detailed responses

DevOps Engineer Intern   June 2022 - August 2022
Mr. Cooper Group   Coppell, TX
- Optimized infrastructure automation, reduced deployment time by 5%, and minimized manual effort
- Collaborated on integrating with cloud providers, boosting infrastructure scalability by 10%, and ensuring 99.9% end-user reliability

Projects

Math Mobile Application   December 2024
- Designed a mobile application using Android Studio and Java to assist users in learning math problem-solving techniques efficiently, improving user engagement and comprehension
- Applied Object-Oriented Programming (OOP) principles to reduce 20% of initial code complexity while improving software maintainability, readability, and reusability

Text Generator   December 2023
- Built a machine learning model leveraging an LSTM neural network, taking 5444 tokens to generate text with style from input text

Technical Skills

- Programming Languages: **Python**, **Java**, **JavaScript**, TypeScript, SQL, C++, C#, Swift, GO
- Cloud & DevOps: AWS, Google Cloud Platform, Microsoft Azure, Docker, REST APIs, Jenkins
- Technologies & Frameworks: React, Node.js, Angular, Selenium, PyTorch, Git, Power BI
- Tools: VS Code, IntelliJ IDEA, Swagger, GitHub, Jira
- Core Strengths: Effective Communication, Critical Thinking, Fast Learner, Collaborative Teamwork