

# Eric Mamani

ericmamaniramirez13@gmail.com | [ericmamaniramirez13.github.io/Portfolio](https://github.com/ericmamaniramirez13/Portfolio) | (801) 404 9051  
<https://www.linkedin.com/in/EricMamani>

---

## Education

### Bachelor of Science in Computer Science

Brigham Young University - Idaho

Graduated: 12/2024

Rexburg, ID

- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Full-Stack development, Relational Databases, and Machine Learning Fundamentals
- 

## Work Experience

### Software Engineer Intern

Amazon.com

May 2025 - Present

Irvine, CA

- Led end-to-end development of a Data Management Tool, a critical self-service platform designed to organize, track, and manage large-scale online experiments (A/B tests) across Amazon Stores.
- Designed and implemented a full-stack solution leveraging **TypeScript/React** for the intuitive user interface and **Python** with **AWS Lambda** and **DynamoDB** for robust backend services and data management.

### Software Engineer Intern

General Motors

May 2024 - October 2024

Austin, TX

- Produced high-quality **unit tests** and scalable code using **Java** and **TestNG**, increasing test coverage to 95%, enable seamless **debugging** leading to more reliable software
- 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

Amazon.com

May 2023 - July 2023

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
- 

## 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