

Miles Samaniego

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EDUCATION

The University of Michigan, Ann Arbor, MI

May 2026

Bachelor of Science in Computer Science

GPA 3.54 / 4.00

Minor: Asian Language & Culture

Course Highlights: *Data Structures and Algorithms, Web Systems, User Interface Design, Introduction to Computer Security, Introduction to Computer Organization, Discrete Math*

Technical Skills: C++, C, Python, JavaScript, Node.js, React.js, HTML, CSS, DSA, Docker, Git, VS Code, Figma, AWS, ML, Jira, Debugging

WORK EXPERIENCE

Outlier AI

August 2024 – Present

Freelance AI Coder

- Participated in the AI life-cycle to gain an understanding of how to improve LLM accuracy and performance
- Re-wrote over 50 AI-generated advanced coding responses to out-perform the state-of-the-art model

Takes, San Francisco, CA

May 2024 – Present

Data Analytics and Product Management Intern

- Drafted interactive Figma wireframes for a new user application tour feature
- Increased user retention by 3% by providing insightful feedback to C-Suite based on user data KPI's in MixPanel
- Developed and provide feedback to new product ideas alongside the C-Suite and other interns

Marin Country Day School, Corte Madera, CA

June 2023 – August 2023

Technical Analyst

- Oversaw organization's technology systems and devices to ensure students and faculty can maximize their learning
- Managed over 600 student, teacher, and administrator accounts using Google Admin

Marin Academy, San Rafael, CA

June 2021 – August 2022

Summer Tech Leader

- Built a website for campus billboards using HTML, CSS, JavaScript, and DropBox API
- Reconfigured access points and landline telephones using command line and LAN servers and bash

TECHNICAL PROJECTS

Live

June 2024 – Present

Startup Co-Founder & CTO

- Organized, managed, and collaborated with a team of 7 students on design, build, and business strategy using Jira
- Designed application architecture (AWS, Firebase, React.js, Node.js, Python)

AI Investment Portfolio Web Application

June 2024 – Present

Independent Project

- Implemented and trained OpenAI API to recommend investments based on user portfolio preferences
- Trained an array of LSTM machine learning models to feed OpenAI model newer market prediction data
- Launched a web application using AWS (ECS, S3, Sagemaker), Docker, and Jupyter notebooks
- Constructed full-stack web application using Node.js, Python, JavaScript, HTML, and CSS

Michigan Build and Launch Club at The University of Michigan, Ann Arbor, MI

January 2024 – Present

Project Manager and Software Engineer for Club Management Application Startup

- Orchestrated project timelines, delegated tasks, and ensured seamless collaboration among team members