

Alexander Lee

Software Engineer

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EDUCATION

University of California San Diego

Bachelors of Science in Computer Engineering

Graduated June 2024

SKILLS

Languages: Java, JavaScript, TypeScript, SQL, NoSQL, Python, C/C++, HTML/CSS

Frameworks: Spring Boot, React, Node.js, FastAPI, Tailwind CSS

Developer Tools: Git, AWS Cloud, Docker, PostgreSQL, Google Cloud

PROJECTS

AI Recipe Generator | Next.js, Tailwind Css, Springboot, PostgreSQL, AWS, Docker

[Github Repo](#) [Website](#)

- Deployed web app using AWS(EC2) with Docker, integrating Gemini AI for text generation to generate recipes for users to cook
- Facilitated a team of 6 using Github Projects through 2 Agile Sprints, achieving 90% of planned story points.
- Built CI/CD pipeline with Github Actions and Gradle, increasing test coverage to 80% and reducing deployment time by 10%.

Multi AI Agent System | Fast API, Amazon Bedrock Agent Core

[Demo](#)

- Delivered a Hackathon winning AI Multi-Agent, utilizing Amazon Bedrock Agentcore with 2 other AI agents using Model-Context-Protocol.
- Generate multi-lingual video ads curated towards specified countries/regions using Bedrock AI and MiniMax MCP Server.
- Coordinated with a team of 4 to streamline the development process with multiple agents.

AI Image Editing App | React, Fast API

[Github Repo](#) [Demo](#)

- Created an image editing app with TTS and Generative AI to suggest clothing recommendations.
- Built a web app that modifies user-submitted images to suggest clothing recommendations.
- Utilize AI models like FLUX 1.1 to edit images based on clothing suggestions to display the suggested look.

Video Game Analytics Website | HTML/CSS/JS, Node.js, Firebase

[Github Repo](#)

- Designed a user-friendly UI to visualize real-time player statistics of the video League of Legends
- Spearhead team of 3 with standup meetings every other day to drive team progress and accountability.
- Integrated and deployed using Firebase Hosting and Cloud Functions.