

MICHELLE CHUNG

SOFTWARE ENGINEER

415-861-9342

mchung099@gmail.com

San Francisco, CA

[LinkedIn](#)

[Github](#)

[Portfolio](#)

SKILLS

Languages: JavaScript, TypeScript, Python, Ruby, HTML, CSS, SQL | Tools: MongoDB, Supabase, Git, AWS S3, PostgreSQL
Frameworks/Libraries: React, Rails, Node.js, Next.js, Express.js, Tailwind, Langchain, Streamlit, HuggingFace, OpenAI, Jest

EXPERIENCE

Frontend Engineer | (*React Native, Expo Go, Firebase, JavaScript, Figma*) | [github](#)

Freelance - Charisse Yeh

Jul 2024 - Oct 2024

- Enhanced user onboarding in a **React Native** app by collaborating with a UX/UI designer to implement **Figma** designs, integrating **Firebase** for secure user creation and photo uploads.

Software Engineering Intern | (*JavaScript, TypeScript, Next.js, Tailwind CSS, Supabase, Postman*)

Stealth Startup - Dorsal AI

Sept 2023 - Dec 2023

- Developed a **REST API** to retrieve 10-K/10-Q reports from Sec.gov and transcripts in parallel, reducing latency in loading performance by 20%.
- Designed an interactive dashboard in **Next.js** with infinite pagination, increasing rendering performance by 35%.
- Created utility functions for financial data processing and display, enhancing code modularity and maintainability.
- Leveraged **Supabase** to store static assets in CDN, increasing scalability and reliability alongside another engineer.
- Implemented **TypeScript** for user dashboard features, increasing readability and reducing error handling time.
- Tested Map/Stuff Chain with RetrievalQA to refine earnings call summaries, improving financial insight extraction.

Relationship Banker

Bank of America

Jul 2022 - Nov 2022

- Fostered strategic partnerships by connecting clients with specialized bankers and provided personalized advice based on client financial needs, achieving a 20% improvement in client retention rates.
- Led the initiative to integrate AI-based banking tools into client services, increasing tool adoption and enhancing the bank's digital transformation efforts.

PROJECTS

Chat PDF | (*Python, Langchain, Streamlit, HuggingFace, OpenAI*)

[live](#) | [github](#)

A chatbot that answers questions based on a user-uploaded pdf document

- Built a conversational retrieval system to answer user queries with the **Retrieval-Augmented Generation (RAG)** technique, improving the accuracy and contextual awareness of the responses.
- Utilized prompt chaining to separate relevant quote retrieval and question answering, increasing the controllability of output.

Grub Globe | (*JavaScript, Express.js, Node.js, MongoDB, React/Redux, AWS S3, CSS, Heroku, Jira*)

[live](#) | [github](#)

A global social recipe explorer with AI chat bot and gamified recipe completion

- Designed schema models and structured **Spoonacular API** data into **MongoDB**, enhancing query capabilities.
- Engineered a recipe and review photo upload system using **AWS S3**, improving filtering and retrieval efficiency.
- Collaborated with a team of engineers using **Jira** for backlog tracking, improving operational efficiency.
- Developed user-centric, gamified recipe completion features based on recipe filters, boosting user engagement.

Event Me | (*Ruby, Ruby on Rails, React/Redux, PostgreSQL, Webpack, Render, AWS S3*)

[live](#) | [github](#)

A full-stack Eventbrite clone enabling event organization and ticket management

- Formulated a scalable **MVC** pattern for event/ticket management, improving reusability and maintainability.
- Architected asynchronous data processing for event and ticket data using React/Redux, optimizing loading speed.
- Implemented OAuth for secure user authentication, improving data security and reducing error handling time.

EDUCATION

University of Illinois Urbana Champaign - B.A. Consumer Economics and Finance, 2021

App Academy - Web Development Bootcamp, Jan 2023 - May 2023