MICHELLE CHUNG

Full-Stack & Mobile Engineer | React Native | FastAPI | AI Products
San Francisco, CA | mchung099@gmail.com | 415-861-9342 | LinkedIn   Github   Portfolio

SKILLS

Python, TypeScript, JavaScript, SQL | React, React Native, Next.js, Expo, Tailwind
FastAPI, PostgreSQL, Supabase, SQLModel, Alembic | Playwright, Pytest, Selenium, Jest, Redis, Docker, AWS S3
Git, Fly.io, Postman, Figma, Jira

EXPERIENCE

Full Stack Engineer - Skin Story (Founder)
Apr 2025 - Present • **case study**
- Diagnosed long-term instability in **Selenium** scrapers and migrated to **Playwright**, stabilizing data retrieval and reducing search latency by 24%.
- Optimized database lookups from $O(n^2)$ to $O(n)$ and batched writes into atomic transactions, preventing duplicate records and inconsistent state.
- Implemented tolerant product search to handle imperfect user queries and inconsistent scraped product names.
- Standardized API response shapes and added fallbacks so the app remained usable during partial backen or network failures.
- Debugged differences between development and production builds using **Expo EAS** and **TestFlight** on devices.

Frontend Engineer - Freelance (Charisse Yeh)
Jul 2024 - Oct 2024 • **github**
- Translated **Figma** onboarding designs into a multi-step account creation flow using **React Navigation** and reusable components.
- Integrated **Firebase** authentication and photo selection, preventing incomplete account creation states.

Software Engineering Intern - Dorsal AI
Sept 2023 - Dec 2023
- Developed a **REST API** to retrieve 10-K/10-Q reports from Sec.gov and transcripts, reducing load latency by 20%.
- Designed an interactive dashboard in **Next.js** with infinite pagination, improving render 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 to reduce server load and improve load times.
- Implemented **TypeScript** to user dashboard features, increasing readability and reducing runtime errors.
- Tested Map/Stuff Chain with RetrievalQA to refine earnings call summaries, improving financial insight summaries.

Relationship Banker - Bank of America
Jul 2022 - Nov 2022
- Fostered strategic partnerships by connecting clients with specialized bankers and provided personalized advice based on clients' financial needs, achieving a 20% improvement in client retention rates.

PROJECTS

SEC 10K/10Q Dashboard Refactor | *(Next.js, TanStack Query, TypeScript)*   **github**
- Refactored data fetching with **TanStack Query** and added a service layer for separation of concerns.
- Replaced offset pagination with cursor-based pagination to prevent duplicate records and improve reliability.

Chat PDF | *(Python, Langchain, OpenAI, Streamlit)*   **live** | **github**
- Built a PDF Q&A chatbot using RAG with semantic embeddings, vector search, and prompt chaining.

EDUCATION

University of Illinois Urbana-Champaign - *B.A. Consumer Economics and Finance, 2021*
App Academy - *Web Development Bootcamp, Jan 2023 - May 2023*