Patrick Mao

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Experience

Stealth startup
04.2024 - present
Lead Developer and Product Designer

Early-stage startup working on a personal finance app.

Built MVP from scratch using React Native, Expo Router, and Gluestack UI.

Authored technical design and roadmap with emphasis on rapid proof of concept and extensibility.

Freelance work
02.2024 - present
Independent Designer and Brand Consultant

Developed brand strategy, graphic design, and website UX design for multiple clients.

Created new logos, website wireframes, social media assets, and other collateral for Ray IoT, driving increased awareness for their new product.

WWOOF (Worldwide Opportunities on Organic Farms)
03.2023 - 08.2023

Volunteer farmhand on several farms across Japan, from rice fields to tea plantations.

Engaged in full lifecycle of production and farm operations: crop selection, planting, monitoring, livestock handling, harvesting, processing, packaging, and selling.

Amazon Ads
08.2020 - 01.2023
Software Design Engineer II

Full stack engineer on the Video Advertising team, building a streamlined process for advertisers to reach target audiences on OTT sources such as Prime Video.

Lead engineer for hyperlocal product that earned >$30MM annually, enabling small businesses to advertise on Amazon at an efficient CPM via media platforms such as Gamut.

Wrote system-wide technical designs that spanned 10+ stakeholder teams, such as to expand internationally and rebrand products.

Refactored key components from legacy JSP codebase to React Micro Frontends, contributing to a 45% decrease in code review time.

Spearheaded the creation of a new team wiki, authoring over 60 pages, and fostered a culture of documentation.

As the team size doubled, mentored interns and new engineers, earning trust and establishing an inclusive and socially engaged community.

DXARTS: Digital Arts and Experimental Media
10.2017 - 10.2019
Technical Assistant

Managed the department's inventory of AV equipment and its online database for student and faculty rental use.

Serviced cameras and handled procurement of new gear to match needs, ensuring smooth day to day operations.

Education

University of Washington
09.2017 - 06.2020
BS in Computer Science, Dean's List for 5 quarters

Skills

Java, HTML/CSS/JS/TypeScript, C/C++, Python, C#, JSP

React/React Native, Expo, Vite, Web Animation (anime.js), Apache Echarts, 11ty, CMS

Adobe CC, Figma, AWS, Jest/Selenium, SQL/NoSQL databases, Docker, Git, Agile, SDLC

Native in English, Fluent in Chinese (Mandarin), PADI Open Water certified