Yiting Xiao

Software Engineer | New York, NY | 850-517-8577 | yitingxiao0531@gmail.com | linkedin.com/in/yiting-xiao | yiting.me

SKILLS

Languages: JavaScript, TypeScript, Python
Frontend: React, Next.js, Tailwind, CSS, SASS, Webpack, HTML, jQuery,
Backend: Node.js, Express, MongoDB (NoSQL), PostgreSQL(SQL), CockroachDB (SQL), Prisma
DevOps, Cloud Services and Other: Docker, Kubernetes, Vercel, Jest, Super Test, Figma, Git, GitHub

WORK EXPERIENCE

Software Engineer — Crispy (contract)   Jan 2024 - May 2024

A **Next.js** app revolutionizes meal discovery with AI-powered dish search, health tracking, and user preferences.

- Architected a real-time user feed with **React and Next.js**, capturing and displaying 83% of user actions across the platform through user action logs, boosting engagement with interactive updates.
- Designed a feed **API** in Next.js to aggregate, and sort user reviews and liked dishes, providing detailed dish and restaurant information for the frontend's **real-time rendering**, enhancing data relevance and user engagement.
- Optimized service performance and user experience by implementing efficient **data pagination**, reducing load times by 70% and improving resource utilization for large datasets.
- Streamlined onboarding and user flows with **progressive design**, **increasing user data capture by 53%** for tailored user customization to improve user experience.
- Mitigated tech debt by modularizing **state management**, cutting duplication by 25%, optimizing data fetching with custom **hooks**, and centralizing functions and services in a Util module.
- Migrated legacy UI/UX to modern designs from **Figma**, ensuring compatibility with existing systems, increasing retention by 30%.

Software Engineer — KAT   2023 - 2024

A **React** app helps developers track API versioning within Kubernetes clusters.

- Developed a **Cluster Templating Dashboard** using **React**, featuring a user-friendly **UI/UX** with reusable components and React Hooks for state management, enabling developers to detect outdated APIs, maintaining cluster accuracy and reliability.
- Engineered the automated detection of outdated **APIs** within Kubernetes and Helm Chart metadata by architecting the **Dependency Compliant Engine** with **Node.js and Express**, achieving 95% accuracy in displaying real-time results via **Chart.js**.
- Constructed 83% of the codebase in **TypeScript**, integrating custom and third-party interfaces to ensure static typing throughout the stack, enhancing code readability, reliability, and mitigating bugs by 20%.
- **Ensured reliability and facilitated future feature development by establishing a full-stack testing suite with Jest, Supertest, and React Testing Library, achieving 75% code coverage through unit and integration testing.**
- Elevated testing reliability by containerizing services with **Docker** and running within Kubernetes to validate functionality.

Project Engineer — Link Translation   2018 – 2022

- **Boosted productivity by 30%** by optimizing resource allocation to process over 3,000 projects annually, while leading a team of 20 translators and recruiting skilled individuals.
- **Automated** data entry and business performance aggregation with a business tracking tool, reducing a previously 10-hour manual process to 5.

Engineering Projects

Software Engineer — TranslateAway | Multi-language translation application

- Developed a RESTful API in Flask to support translations between over 50 languages, ensuring integration with the frontend.
- Implemented CORS middleware to enable cross-origin resource sharing, ensuring secure and efficient communication between the frontend and backend.
- Created an interactive user interface with **React, Tailwind** and **Material UI**, enhancing user experience and engagement.

EDUCATION

Wuhan Donghu University   Bachelor's degree
Codesmith: Advanced Residency for Software Engineering

ABOUT ME

- Love refurbishing old furniture, and watching adaptations of crime fiction, especially those by Agatha Christie.