

YAN YAN

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Education

University of Michigan

Master in Information Science

Sep. 2023 – Dec. 2025

Ann Arbor, Michigan, USA

Shanghai JiaoTong University

Bachelor of Science in Electrical Computer Engineering Science

Sep. 2020 – Aug. 2024

Shanghai, China

Technical Skills

Languages: HTML, CSS, JavaScript, TypeScript, Python

Frameworks: React, React-Native, Django, Flask

Tools: Photoshop, Illustrator, Figma, Docker, Kubernetes, Firebase

Experience

Full-Stack Software Engineer Intern | React, Flask

May 2024 – Aug 2024

Company: United Automotive Electronic Systems

- Develop a customized automotive software documentation tool based on the Sphinx framework.
- Built a frontend using **React** and **Ant Design**, with **Flask** and **Node.js** as the backend, including an online RST editor with automated project generation.
- Developed the service to package web-generated content into a **Sphinx project zip file**, enabling one-click downloads.
- Packaged the tool with **Docker** and deployed it using UAES's internal **Kubernetes** environment on Alibaba Cloud.
- Managed project workflows with **Git**, effectively handling common commands and resolving conflicts.

Front-End Developer Intern | Typescript, React

May 2024 – Jul 2024

Company: RGF HR Agent

- Refactored the code for the company's middle-office platform, optimizing system login, data filtering, and display, boosting performance web page by 70%.
- Configured the project settings using **Rspack**, improving launching efficiency and flexibility.
- Implemented the switch of routers using **React Router** and integrated multilingual support with **i18next**.
- Developed HTTP request modules with **Axios**, including **JWT token** handling authorization and error management.
- Standardized **Ant Design** form validation, enhancing consistency and maintainability of the code across the platform.

Projects

Happier AI (Start-Up) | React-Native, React, Node.js, MySQL

Dec 2024 – Feb 2025

- Designed the user workflow as technical leader and developed a cross-platform AI application (both web and mobile) which could provide better mental health advice for users based on their personal information.
- Developed **Node.js** backend service by that integrates **GPT API** to provide personalized recommendations, while ensuring secure authentication and **CORS** compliance for frontend project.
- Designed and implemented a **MySQL** database to store information and secure credential storage with **bcryptjs**.

Travel Planner for Multiple users | React-Native, Redux, Firebase

Nov 2024 – Dec 2024

- Developed a mobile application supporting multiple users to work on common traveling plan whose features include trip information, checklist, budget.
- Built a frontend using **React-Native**, with **firebase** as a real-time database.
- Implemented CRUD for different data collection with **React-Redux**
- Realized an embedded Google Map with auto-complete function with **React-Native-Maps**

Redesign Official Website for WeFire (Freelance) | Bootstrap, JavaScript, Figma

Dec 2023 – Mar 2024

- Redesigned for the company's official website UI by **Figma & Adobe Design Tools** to promote the newly launched Wefire financial management mobile application based on analysis for competitive products.
- Implemented the front-end website by using **Bootstrap, JavaScript**, and **HTML**, optimizing rendering performance through some specific techniques such as lazy loading, asynchronous content loading.