

Xinran Cao

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EDUCATION

University of Michigan – Ann Arbor

Aug.2022 – Expected 2024

M.S. of Science in Information | User-Centered Agile Development | GPA: 4.0/4.0

University of Wisconsin – Madison

Sep.2016 – May.2020

B.S. in Computer Science & B.S. in Applied Mathematics | GPA: 3.8/4.0

- Awards/Honors: Distinctive Scholastic Achievement (Top 20%), Dean's List

WORK EXPERIENCE

Front-End Development Teaching Assistant | Building Interactive Application | Umich

Aug.2023 – Current

Instructional Aide for SI 579

- Tutored 30+ students in front-end development with **vanilla JS** and **React**, enhancing their practical skills and core concept comprehension, while emphasizing professional coding standards and project management practices.
- Assisted in crafting and refining test cases for 20+ assignments using the **Cypress** framework, configured GitHub Classroom, and integrated the auto-grader with GitHub Actions. This streamlined the grading process, ensured consistent assessment, and allowed for detailed feedback, enabling students to correct and optimize their code.
- Collaborated in the design and critical review of JS and React course content, creating practical assignments that challenge students to apply real-world development techniques, preparing them for professional roles.

Front-End Developer Intern | Shanghai Aitai Technology Consulting Co., Ltd

Nov.2020 – Aug.2021

(Asked to return for second stint)

May.2023 – Aug.2023

- Independently built “Beneficiary” module for our Financial SaaS platform, featuring data management and analytics across 3 distinct pages with 20+ subpages. This comprehensive module, integrated via **REST APIs**, enhances business data insights, and streamlines operations through functionalities like data visualization, advanced filtering, and multi-faceted data manipulation. (Summer 2023)
- Implemented 10+ decision-support web modules using **React**, **Umi**, **Ant Design**, **Antv G2 Charts** and **Echarts**. These modules directly enhance primary market investor's decision-making precision and agility within our platform.
- Engineered 5 cross-platform cloud file management modules using **React**, **Taro** and **WeChat Devtools**, with an **HTML5** mobile interface and **WeChat Mini Program**. Add features like OCR, an online review-commentary system, and approval process. These improvements facilitated seamless cloud document management, submission, and feedback on our financial SaaS platform, with responsive design ensuring consistency across all devices.

PROJECTS

Lead Web Application Developer | EcoLogical

Aug.2023 – Current

Team Project

- Led the complete development lifecycle of the Ecological business-side web application. Set up application structure and routing, ensuring application scalability, efficient platform performance, and a friendly user experience.
- Managed feature development and versioning using **Git** and **GitHub** in alignment with project objectives.
- Collaborated closely with UI/UX designers and backend developers to iteratively enhance and refine the application.
- Handled form validation and submission and incorporated third-party APIs such as Stripe Payment for secure payments and Google Autocomplete API for auto-filling address, elevating user experience and boosting transaction confidence.
- Connected to the backend application using **GraphQL APIs** and deployed the entire service via **AWS Amplify**.

Front-End Developer | Web-based Online Course Scheduler

Fall 2021

Individual Project – xinrancao.github.io/course_scheduler/

- Resigned and developed a user-friendly school online course selection and scheduler website with **React Library**, enhancing clarity in course information and offering tailored schedule recommendations.
- Customized components with carefully designed **CSS** styles, providing users with visual cues for status updates.

SKILLS

- **Technical:** JavaScript, HTML, CSS, Node, React, Next, React Native, REST, GraphQL, Java, C, Python, Django, SQL
- **UX Design:** Contextual Inquiry, Heuristic Evaluation, Affinity Diagram, Wireframing, Usability Test, Agile UX