

# XINRAN CAO

+1 (734) 294-9944 | [xinrancao@hotmail.com](mailto:xinrancao@hotmail.com) | <https://portfolio-cpd.pages.dev/>

## EDUCATION

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### University of Michigan – Ann Arbor

M.S. in *Master of Science in Information*

*Aug.2022 - Expected 2024*

- GPA: 4.0/4.0

### University of Wisconsin – Madison

B.S. in *Computer Sciences & B.S. in Applied Mathematics*

*Sep.2016 - May.2020*

- GPA: 3.8/4.0 (Graduated with Distinction)

## WORK EXPERIENCE

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### Shanghai Aitai Technology Consulting Co., Ltd

Shanghai, China

#### *Front-End Developer Intern*

*Nov.2020 - Aug.2021*

- Developed more than ten modules which helps primary market investors improve decision-making efficiency.
- Implemented more than five desktop-based web modules using React, Ant Design, Antv G2 Charts and Echarts to complete the functions of reviewing and commenting cloud files, managing strategy indices, and recognizing input data.
- Built the modules of file management system in cross-platform using React, Taro and WeChat Devtools, including HTML5 mobile side and WeChat Mini Program to improve user experience such as simplifying users' access to information with QR code scan.

## PROJECT EXPERIENCE

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### Permitting Better Permitting – Permit Application Process

Dearborn, MI

#### *User Experience Researcher & Designer*

*Jan.2023 - Apr.2023*

- Conducted in-depth interviews with 8 residents, contractors, and 4 government officials to gain a comprehensive understanding of the permit application process and its challenges in Dearborn.
- Redesigned the city government website, focusing on enhancing information architecture, and developed a new digital application portal prototype to streamline the application process.
- Performed 7 usability tests which included A/B tests on the prototype, utilized feedback to make necessary revisions, and subsequently developed a high-fidelity prototype.

### UCSF Library Website Evaluation

Dearborn, MI

#### *User Experience Researcher*

*Jan.2023 - Apr.2023*

- Conducted a comprehensive Needs Assessment by interviewing 6 users from diverse backgrounds to understand a variety of user perspectives.
- Utilized research methods such as Heuristic Evaluations, Comparative Analysis, and Usability Testing to effectively identify and proposed potential solutions to address usability issues.

### Responsive Web Design - <https://xinrancao.github.io/jiangwen/>

Dearborn, MI

#### *User Experience Designer & Front-End Developer*

*Sep.2022 - Nov.2022*

- Developed a responsive website based on JavaScript and CSS, in which the navigation bar and content structures change according to screen sizes to provide uniform and complete user experience on different devices.
- Included accessibility design to make the website useable for all visitors including those with disabilities, impairments, and limitations.

## HONOR & AWARDS

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- Dean's List, UW-Madison *Dec.2016, May.2017, Dec.2017, May.2018 & May.2019*
- Distinctive Scholastic Achievement, UW-Madison (Top 20%) *May.2020*

## SKILLS

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- **Programming:** JavaScript, HTML, CSS, React, Java, C, Python, Node.js, React Native, Django.
- **UX Skills:** Contextual Inquiry, Competitive Analysis, Affinity Diagram, Heuristic Evaluation, Prototyping, Usability Testing.
- **Tools:** Photoshop, Illustrator, Figma, Miro, Adobe XD, After Effect, Premiere.