# Zhijie Zhao

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## SUMMARY

- Skillful in front-end knowledge. Being able to use React, React Native, and Angular framework.
- Have solid knowledge in operating systems, computer networks, database systems, data structures, and algorithms.
- Fast-learner and willing to learn, good at communication and teamwork, skilled at git.
- Looking for internship (summer 2022)

## EDUCATION

**University of Michigan**                                    Sep 2021 - May 2023
Master of Science in Information                                    Ann Arbor, MI
- GPA: 4.0/4.0
- Related Coursework: Contextual Inquiry and Consulting Foundations, Intro to Interactive Design, Information Visualization, Developing Mobile Experiences, Building Interactive Applications

**Shanghai Jiao Tong University**                            Sep 2017 - Aug 2021
Bachelor of Science in Electrical and Computer Engineering              Shanghai
University of Michigan Shanghai Jiaotong University Joint Institute
- Honor / Award: Undergraduate Merit Scholarship by Shanghai Jiaotong University (B, etc.) (2020, the first 10%), Undergraduate Progress Scholarships by Shanghai Jiaotong University (2019, the first 5%)
- Related Coursework: Operating System, Programming &Introductory Data Structures, Data Structures and Algorithms, Introduction to Cryptography

## PROFESSIONAL EXPERIENCE

**Shanghai Yi Xiao Information Technology Co., Ltd.**        Apr 2021 - Aug 2021
Qingflow, Front-end Development Intern                                   Shanghai
- Programmed emerging features for a highly customizable workflow management app using Angular, Typescript, SCSS, and Ant Design in the design and development pipeline.
- Improved coding structures through packing components and creating variables to increase code reusability.
- Collaborated with a team of UX designers, product managers, and developers using git and Figma to share product updates.

## PROJECT EXPERIENCE

**Wishlist**                                                 Nov 2021 - Dec 2021
Active Team Member                                                     Ann Arbor
- Designed and created prototypes of a friendship app using Figma to help those having trouble preparing gifts for friends.
- Programmed ten mobile app pages using React Native, TypeScript, NativeBase, and ahook to implement the prototype.
- Programmed image uploading function through Firebase and React Native Image Picker to help users post their wishes.
- Improved user experience through adding loading control, toast notifications, and swipe list using ahook.

**HumanKind**                                                Sep 2021 - Dec 2021
Active Team Member                                                     Ann Arbor
- Designed a donation app using user experience design methods (Persona, User Flow Diagram, Wireframe, Usability Inspection) to facilitate smaller, direct donations to neighbors in need.
- Created the persona and scenario for the primary user through analyzing and refining the interviews.
- Conducted five interviews and two rounds of usability inspection tests with the primary user in different age groups to iterate and improve the user experience of our design.
- Created high fidelity prototypes for registration and wishlist panels using Figma.
- Collaborated with four team members using Figma and Google Docs to share project updates.

**Red Lake County is not perfect but definitely not the worst**    Oct 2021 - Nov 2021
Individual Project                                                     Ann Arbor
- Designed and deployed static and interactive visualizations using Python, Adobe Illustrator, and Streamlit to accompany an article from the Washington Post.
- Created dot charts, bar charts, and Choropleth Map using Altair to reveal the situation of the Red Lake County in the economy, education, employment and natural amenities.
- Implement a Martini Glass Infographics Structure using a parallel coordinates graph to let user explore the dataset. It turns the content from author-driven to reader-driven.

**Implement a Shell using C**                                Sep 2020 - Oct 2020
Individual Project                                                       Shanghai
- Parsing the input using loop and stack to implement support for quotations in command.
- Implement file I/O redirection and pipe using loops with dup2() to allow users to have access to files and combine their commands with great flexibility.
- Programmed the signal handler using SIGINT to handle the situation of CTRL-C and CTRL-D.

## SKILL

- **Programming:** JavaScript(skillful), TypeScript, HTML, CSS, C / C ++, MATLAB, Verilog, MIPS Assembly, R, Python, LaTeX
- **Language:** English, Chinese