Zhijie Zhao

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Ann Arbor, Michigan
Software Development Engineer / UX Engineer

SUMMARY

- Skillful in front-end knowledge. Being able to use Angular, React and React Native framework.
- Have solid knowledge in operating system, computer network, database system, data structures and algorithms.
- Proceeding a Master's degree on user-centered agile develpment, experienced in UX design and information visualization
- Fast-learner and willing to learn, good at communication and teamwork, skilled at git.

EDUCATION

University of Michigan Sep 2021 - May 2023
Master of Science in Information Ann Arbor, MI
- Core Course: Contextual Inquiry and Consulting Foundations, Intro to Interactive Design, Information Visualization

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
- GPA: 3.59 / 4.0
- Honour / 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%)
- Core Course: 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
- Worked in a team of UX designers, product managers and back-end developers to build, test and improve the emerging features reaching over 200,000 companies.
- Used Typescript, SCSS and Ant Design to implement the design wireframes into a cross-platfrom interactive Angular application.

PROJECT EXPERIENCE

Front-end projects collection Feb 2021 - Aug 2021
Personal Project Shanghai
- Use front-end knowledge to create a responsive personal introduction website. (https://codepen.io/zhijiezh/full/VwmRvrb)
- The following projects have been completed using React on the personal website:
  - Quote generator, randomly displays a famous quote and supports posting as a tweet. The Bootstrap framework is used and the transition refresh effect is made with css animation.
  - Drum simulator, trigger different drum sounds by keyboard keys or mouse clicks. Support the use of sliders to adjust the sound and change different sound groups.
  - Markdown file previewer, real-time preview of the final effect written in markdown syntax. Support full screen display preview interface or typing interface.
  - Simple calculator, real-time display of addition, subtraction, multiplication and division and output results. Support the handling of misoperation.
  - The Pomodoro timer is used to arrange work breaks. When the timer is close to the end, there will be a change of color and a sound reminder. Support independent adjustment of the length of work and rest time.
  - Double Tic-Tac-Toe, automatically judges the victory and displays the position of each side of each move. Support to go back to any step you took before.
- Recipe Book using Angular framework: (https://ng-course-recipe-book-1a6c1.firebaseapp.com/)
  - An app where you can create recipes and put the realated materials into shopping cart.
  - Using Firebase as back-end.
  - Using NgRx to manage data flow in the app.
  - Having a user system with authentication and route protection

Implement a Shell using C Sep 2020 - Oct 2020
Course: Introduction to Operating Systems Shanghai
- Support the simple Linux Shell command using C
- Implement the function of File I/O redirection, pipe, CTRL-C, CTRL-D
- Support Quotations and background jobs.

SKILL

- **Skills:** JavaScript(skillful), HTML, CSS, C / C ++, MATLAB, Verilog, MIPS Assembly, R, Python, LaTeX
- **Languages:** English and Chinese