

Jianxiong(Russell) Chu

5706 Phillips Ave. Pittsburgh, PA 15217 | (660)-280-4587 | xsjwj234884@gmail.com

Summary

- A result-oriented Master's degree student with hands-on skills in **Web frontend development** with **React / React Native / Next.js**
- Solid programming background in C++, Python, HTML/CSS, Javascript/React, and SQL
- Strong verbal and written communication skills, demonstrated through effective presentations, reports, and collaborative projects

Core Technical Skills

- Frontend: HTML, CSS, JavaScript, TypeScript, React, Redux, Next.js, SSR, GraphQL, Apollo.js, Tailwind CSS
- Backend: Node.js, Express.js(Restful API), C++, Python, MySQL, Google Firebase

Education

University of Pittsburgh, Pittsburgh, Pennsylvania
Master of Science in Information Science 3.4 / 4.0

Aug 2022 – May 2024

Truman State University, Kirksville, Missouri
Bachelor of Science in Computer Science 3.4 / 4.0

Aug 2018 – May 2022

Project Experience

Tech Global Service LLC - Invoice Management Panel

May 2023 - June 2023

- Responsible for the development of interface to allow admin users to manage invoices efficiently with a clear UI using **React Native** and **SQLite**.
- Collaborate with UI designer to transform Figma design into React Native UI.
- Ensured input validation using a thoroughly designed validation schema using **Yup**, which prevents users from giving false or misleading information to the system.
- Execution of **SQL** mechanism saw a transition from plain query to **transaction-based query**, locking faulty query in check by transaction, enhancing the integrity of interface.
- Used **Promise** on large scale for communication between interface and database, with **async/await** also in use for sequential query execution.

Tech Global Service LLC - Firebase Integration

May 2023 - August 2023

- Designed and integrated a user management system for a reservation app.
- Separated reservation queue and user account information into a **Real-time Database** and a **Firestore Database**.
- Implemented **Firestore Authentication** for in-app user authentication, along with authentication status validation on each accessible screen.

Job Experience

Teaching Assistant

Jan 2023 - May 2023

- Led review sessions for exams, utilizing strong verbal communication skills to explain concepts and answer questions
- Assisted in the development and implementation of lesson plans, utilizing strong organizational and communication skills to ensure that materials were well-prepared and delivered effectively

Front-end Developer Intern - Tech Global Service LLC.

May 2023 - Aug 2023

- Coordinated with a team of peer interns and a supervisor to process mobile development.
- Took part in developing various components for app mechanisms using React Native, including data manipulation, interactable UI objects and input validation mechanisms using various node modules.
- Used majority of Google Firebase's service including Firebase Authentication, Firestore/Real-time Database and various analysis tools.
- Regularly demonstrated development progress via presentations and scenario simulation under agile methodology.