Yujian (Richie) Zhou

richiezhouyjz@gmail.com | (646) 623-4317 | https://arunike.github.io

EDUCATION

University of Wisconsin-Madison   Madison, WI
Bachelor of Science in Computer Science & Data Science   September 2020 – Anticipated May 2024
GPA: 3.8/4.0

EXPERIENCE

Software Developer Intern, Rockitcoin   *Chicago, Illinois*
August 2022 – March 2023

- Utilized **TypeScript, JavaScript, HTML, CSS, and React** to improve the frontend and backend services of Rockitcoin's Bitcoin ATM, mobile, and web platform by 30%.
- Developed user interfaces using **React** to display statistics of over 5000+ users in tables and enable real-time data modification.
- Implemented **Twilio.js and SendGrid.js** APIs to enable users to receive text and email communication messages, resulting in a 60% increase in customer satisfaction.
- Optimized user interface rendering speed by 10% by implementing the debouncing method in **React** to limit API requests in text fields.
- Leveraged **HashMap** data structure to store frequently accessed user information and reduced lookup time by 20%, contributing to further optimized user experience with better system performance.

Full Stack Developer Intern, UNFCU   *New York, New York*
May 2022 – August 2022

- Developed and optimized existing **JavaScript, HTML, CSS, and PHP** codes to enhance the cross-browser and cross-platform compatibility of a high-traffic customer-facing website, resulting in a 10% increase in efficiency.
- Equipped our team with **Python**-based automation tools for text extraction, keyword search, PDF/PPT merging, and data filtering, resulting in a 30% increase in workload efficiency and faster user deployments.
- Adopted the **Next.js** framework to implement entry pages that helped users to locate information quickly and comprehend the company culture, achieving a 30% spike in customer satisfaction.
- Optimized user interface and user experience interactions on websites using **Material UI**, resulting in a 20% increase in customer satisfaction.
- Worked on maintaining high-transaction **SQL** databases with over 150,000+ entries and used them to create an infrastructure for real-time reporting of customer satisfaction, annual revenues—sales retention rates to provide insights to the relevant stakeholders.

PROJECTS

Patient Appointment Reminder   Summer 2020

- Built an appointment reminder website using **JavaScript, HTML, and CSS** that allows patients to easily set up appointments.
- Implemented **Vue** framework that allowed patients to easily manage their appointments, view available slots, and make instant modifications with real time synchronization.
- Developed a streamlined and custom communication system using JavaScript API that sent automated text or email reminders to patients prior to their appointments.

Human Resource Management - https://github.com/arunike/vhr   Summer 2021

- Developed a management website using **SpringBoot and Vue**, allowing for easy management of all employees' information, roles, and access.
- Designed and implemented a **MySQL** database to efficiently store employee data and track necessary information such as job title, salary, and performance review history.
- Custom-built a JavaScript API to efficiently send text and email notifications to employees via SMTP. Enabled quick and efficient communication between HR and staff.

Online Shop - https://github.com/arunike/Online-Shop   Summer 2022

- Built an online intuitive shopping platform using **SpringBoot** that provides a convenient online shopping experience for users.
- Leveraged **Redis** in-memory data structure to enable real-time product search and optimization of shopping cart functionality.
- Developed a custom **JavaScript** API to optimize communication between buyers and sellers, leading to smoother transaction processing.

TECHNICAL SKILLS

Programming Languages: Java, C/C++, Python, R, and SQL, SpringBoot
Web Technologies: JavaScript, TypeScript, HTML, CSS, React, and Vue