Junhui (Will) Wen

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Having a four-year experience in Computer Science, I am eager to better the society as a future software engineer or full stack developer with my acute sense in problem-solving and strong self-management.

SKILLS

- Programming Languages: **Java**, **HTML**, **JavaScript** (proficient); **C/C++**, **Python**, **SQL** (competent); **Node.js, TypeScript, NoSQL** (prior-experience)
- Technologies: Vue, React, React Native, Spring, MongoDB, MySQL, Unreal Engine, AWS

EXPERIENCE

CyberArchWarehouse Intern (Qualcomm Institute, CA)   **Mar. 2023-Sep. 2023**

- Designed and implemented a custom **Unreal Engine** plugin capable of seamlessly uploading panoramic images and dynamically rendering them onto spherical textures within the real-time environment.
- Developed a UI for efficient image data transfer between the server and client, complemented by a **Python** script generating thumbnails for each uploaded image, optimizing server resources.

Mobile App Tech Lead (Triple C at UCSD, CA)   **Jun. 2023-present**

- Accelerated app load time by approximately 30% through the strategic implementation of async functions and marker clustering technique, delivering a highly responsive map interface for users.
- Designed and implemented a scalable user system utilizing **REST APIs** for seamless communication and **MongoDB** for efficient NoSQL database storage.

Web App Tech Lead (Triple C at UCSD, CA)   **Jul. 2022-Jun. 2023**

- Established the tech stack for the Java Web project, which featured **Vue**, **AWS**, **SpringBoot**, **MySQL**, **Node.js**, and **CI/CD**, and guided members through the setup.
- Developed a Web crawler independently to collect periodically updated information from UCSD's career website, resulting in a high-level automation of manual tasks.

Back End Developer Intern (QTrade, Shanghai)   **Jul. 2021-Aug. 2021**

- Collaborated with colleagues in completing data synchronization tasks over 100,000 pieces of data by executing **Java** programs that employed **SpringBoot**, **NACOS**, etc.
- Devised an integrated database query system based on **Spring** and **Mybatis** frameworks.

EDUCATION

B.S./M.S. in Computer Science and B.S. Applied Mathematics

University of California San Diego, CA   **Expected Jun. 2024**

- GPA: 3.8 (B.S.) / 4.0 (M.S.)   Provost Honors (2019-2023)
- Experience: CS TA and Tutor; Tech Lead at UCSD Triple C
- Main courses: Data Structures & Algorithms, Web Design, Software Engineering, OS, Computer Architecture, Database System, AI/ML, Probability and Statistics, HCI, Recommender System

ACTIVITIES

- Rubik's Cube: 2*2, 3*3, 4*4, Pyraminx, Blindfold. National Rank: 3000+
- Team Sports: Tennis (HS Varsity Team captain), frisbee, soccer, badminton, etc.