

# Junhui (Will) Wen

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With three years of experience in CS through internships and projects, I am eager to better the society as a future software engineer, leveraging my strong problem-solving skills and strong self-discipline.

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## SKILLS

- Programming Languages: **Java**, **HTML**, **JavaScript** (proficient); **C/C++**, **Python**, **SQL**, **Node.js**, **Swift** (competent); **TypeScript**, **NoSQL**, **Rust**, **Go**, **C#** (prior-experience)
- Technologies: Vue, React, React Native, Docker, MongoDB, MySQL, Redis, SwiftUI, AWS, Git

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## EXPERIENCE

### R&D Engineering Intern (Seqster , CA)

May 2024-Aug. 2024

- Researched state-of-the-art **AI** models, designing and implementing a custom chatbot leveraging the Retrieval-Augmented Generation (**RAG**) model to efficiently query over 10,000 documents.

### 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 geographic location.
- Created a **user interface** that enhanced efficiency by reducing form completion time by 20% through a streamlined image upload process using **API integration**.

### 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**.

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## PROJECTS

### iOS App (MemoHub)

Jun. 2024-present

- Led a team of 3 **engineers** and 3 **designers** in the ongoing development of MemoHub, increasing team velocity by 30% through effective task prioritization and **Agile methodologies**.
- Streamlined front-end logic to **reduce API calls by 33%** and **loading time by 40%**, enhancing user experience with faster page responsiveness.

### Web App (Goal Tritons Career)

Jul. 2022-Jun. 2023

- Developed a **web crawler** script independently to collect periodically updated information from UCSD's career website, automating manual tasks and increasing efficiency.
- Collaborated with the product manager and the design team to discuss the minimum viable product for each milestone.

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## EDUCATION

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

University of California San Diego, CA

Sep. 2019-Dec. 2024

- GPA: 3.8 (B.S.) / 3.9 (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, Database System, Cloud, AI/ML, Network, Human Computer Interaction, Recommender System