

Yuxin(Peter) Ren

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• Objective: Software Engineer

EDUCATION

University of Southern California

Los Angeles, CA

Bachelor and Master of Science in Computer Science and Business Administration, GPA:3.85

Aug 2020 - May 2025

Honors: Dean's List (every semester)

Relevant Coursework: Software Engineering, Data Structures, Discrete Math, Software Development, Algorithm Analysis, Introduction to AI, Business Communication and Leadership.

Course Producer of the Course - Principle of Software Development

SKILLS

Technical: C++, Java, Python, SQL, HTML, CSS, JavaScript, React, Springboot, AWS, REST APIs, Groovy, Docker, Redux

INTERNSHIP EXPERIENCE

RepairSmith by AutoNation

Los Angeles, CA Jun 2023-Aug 2023

Full-stack Software Engineer Intern

- Upgraded the B2B users portal with technologies such as Node.js, JavaScript, React, HTML, and CSS. Developed a dedicated page for listing all upcoming visits, streamlining the user experience, ensuring stakeholders have immediate access to key details, and boosting operational efficiency.
- Created over 15 custom hooks leveraging Node.js, JavaScript, React, HTML, and CSS. These hooks encompassed features like a downloadable invoice, user contact generation, and appointment modules. This initiative led to roughly a 15% reduction in redundant code, making the application more maintainable and efficient. Transitioned various functionalities into custom hooks to further ensure code maintainability and readability.
- Developed and implemented unit tests for RepairSmith's internal "tools" app built with Java and Springboot. Utilized Groovy following the Spock framework. This effort increased test coverage by 25% and reached significant reduction in production issues.
- Practiced Agile methodology with tools like Jira and the Kanban board for daily standup meetings. This process ensured smooth collaboration within the development team. Leveraged GitLab for effective version control and code collaboration.

Sanmu Ecological Engineering

Harbin, China May 2022–Aug 2022

Software Engineer Intern

Attendance Management System

- Worked on the attendance management system to reduce accessing data time while collaborating with the HR team and deployed the WeChat plugin for the event organizer.
- Created JSON web token to enable token-based authentication and authorization to improve security measures for login processes, developed API applications that allowed data requests from the database.
- Designed and deployed an attendance WeChat plugin project and an event organizer that served more than 200 users by using Java, resulting in better attendance tracking for the HR department.
- Increased by 30% in the efficiency of the data retrieval process and reduced the running time by 20% for accessing attendance sheets, resulting in a streamlined development process that adhered to Agile programming methodologies.

ACADEMIC PROJECTS

USC Student Events Organizer

Los Angeles, CA Nov 2022–Dec 2022

- Designed and implemented an interactive web application for USC students to plan and organize events.
- Deployed the user interface with Figma and HTML, finished front-end key features including user login/sign up, event addition/deletion/updates, event registration/deregistration, and user logout, and achieved a 100% user satisfaction rate with the app.
- Launched backend APIs in Java, leveraged Springboot as the development framework, utilizing MySQL for database management, HTTP requests for networking tools, and facilitating user engagement with multi-threaded programming techniques.

To-Do List Web App

Los Angeles, CA May 2023

- Conceptualized and conceptualized and developed a robust To-Do List web application using Java and Spring Boot framework.
- Leveraged H2 database for efficient database operations, optimizing data retrieval and storage.
- Used by over 50 employees and received a 98% of satisfaction rate.

RESEARCH EXPERIENCE

W.V.T. Rusch Engineering Honors Program

Los Angeles, CA Jan 2023–Now

Student Researcher

- Conducted extensive research on artificial intelligence & natural language processing.
- Participated in weekly discussions on current technology trends, guided by seasoned professionals.
- Proactively seek out new learning opportunities to enhance knowledge in AI and NLP.