Albert Sun

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Objective

Seeking a software engineering role to apply my software development experience at a professional level. I am ambitious, have high expectations for myself, and a quick learner.

Experience

Smart City Streets   *11/2024 - 02/2025*
IoT UI Engineer Intern

- Developed a smart monitoring platform using **ThingsBoard Cloud** for a dynamic curbside loading zone
- Designed and built interactive dashboards featuring status widgets, stats boards, and custom map icons
- Created a responsive web interface using **JavaScript** and node-based programming for real-time **IoT** data visualization, with added notification features for dynamic status updates
- Delivered a live demonstration, gathered stakeholder feedback, and implemented final improvements to enhance usability

Education

The University of Auckland | Auckland, NZ   *Expected November 2025*
Bachelor of Engineering (Honours) - BE (Hons)

- Specialisation in Software Engineering
- Featured on the Engineering Dean's Honours List 2022 and 2023
- First in Course Awards for COMPSYS 201 and SOFTENG 281
- BE (Hons) GPA of 8.0/9.0

Projects

UoA Snowsports Club Website & Booking System   *02/2024 - 08/2024*

- Contributed to a UoA Web Development & Consulting Club project to develop a website and booking system for the University of Auckland Snowsports Club
- Completed both frontend and backend tickets using **React, TypeScript, HTML, and CSS**
- Ensured bug-free code by conducting rigorous testing for assigned tickets with **Jest**
- Maintained high code quality by reviewing pull requests from other team members
- Engaged in Agile software development with weekly code review meetings

EscAlpe Room   *07/2023 - 11/2023*

- Developed an AI backed RPG video game in a team of 3 using **JavaFX, ChatGPT API, and CSS**
- Implemented character movement, interactive buttons, items, and sound effects into the game
- Produced code that adheres to conventional **coding style requirements**, successfully meeting all criteria established by the university
- Received positive peer reviews from teammates, with comments highlighting **reliability, creativity, and collaboration**, resulting in a full peer review mark

Skills

- Java - Main language, completed numerous assignments, projects, and university courses with Java
- Python - Completed courses, CodeRunner exercises, and university projects with Python
- OOP - First in Course Award for relevant course (100%, A+)
- JavaFX | JavaScript | C | C++ | MATLAB | R | HTML | CSS | SQL | MySQL | DSA | Git | GitHub | SQA | RE