Albert Sun

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Objective

Seeking a summer 2024/2025 software engineering internship to apply my software development experience at a professional level. I am ambitious, have high expectations for myself, and a quick learner.

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
- BE (Hons) GPA of 8.56/9.0 (A+)

Experience

[A World Bridge Science Projects](#) **| New York, US**   *09/2016 - 06/2019*
Software Developer
- Created a website using **Bootstrap Studio** that allowed the public to view project goals
- Assembled both frontend and backend code for the website with **HTML, CSS, JavaScript, and MySQL**
- Visualised vectors on an interactive globe model using the NASA WorldWind API to document UNESCO World Heritage Sites, providing convenient access for researchers
- Mentored by a senior engineer in **UX design, database management, and coding practices**

Projects

[EscAlpe Room](#)
- Developed an AI backed RPG video game in a team of 3 using **JavaFX, ChatGPT API, and CSS**
- Implemented user-controlled character movement within and across scenes in the game
- Incorporated interactive buttons, items, and sound effects into the game
- Enhanced the visual appeal of the game's user interface by creating pixel art assets for the UI
- 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

[A Picture is Worth 10,000 Words](#)
- Developed an encryption and decryption algorithm using **MATLAB** that encrypts a text message and embeds it into an image
- Ensured the functional correctness and code quality of the project, achieving a perfect mark

Skills

- Java - Main language, completed numerous assignments, projects, and university courses with Java
- Python - Completed a full introductory course on Python via YouTube (around 5 hours of content)
- OOP - Achieved a 100% (A+) grade on relevant course (overflow not counted)

- JavaScript | JavaFX | C | MATLAB | R | HTML | CSS | SQL | MySQL | DSA | Git | SQA | RE