Alex Liang
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Portfolio - https://alux444.github.io/
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Auckland, New Zealand

EDUCATION

The University of Auckland   **2022 – Present**
Bachelor of Engineering (Honours) - **Software Engineering**   **Studies End Nov 2025**

SOFTENG281 **– Object Oriented Programming – (A+)**
SOFTENG282 – **Software Engineering Theory – (A+)**

PROJECTS

TrackTrekker – Song Suggester *(React, TypeScript, Spotify API)*
https://alux444.github.io/tracktrekker/
- **Designed, developed,** and **deployed** the application**,** built on **React** with **TypeScript.**
- **Implemented** the suggestions of songs by selected criteria using the **Spotify API.**
- **Styled** the project using **TailwindCSS.**

KiwiMart – Online Store Dashboard *(React, Firebase)*
https://alux444.github.io/online-store/
- **Oversaw, planned**, and **managed** the development of the project in a team of 3.
- **Integrated** the communication of the **Firebase** backend to the **React** frontend.
- Automated the **deployment** of the project through **GitHub Actions.**

Firebase Chatapp – Live Chat Application *(React, Firebase)*
https://alux444.github.io/firebase-chatapp/
- **Developed, tested**, and **deployed** the project, which is built on **React** with **JavaScript.**
- Used **Firebase** for the live messaging and database features.

Fitness app project *(React, ExerciseDB API)*
https://alux444.github.io/project-fitness/
- **Managed** and **delegated** tasks for the project between a team of 2.
- **Implemented** the communication to the exercise and video search **API.**

Weather app v2 *(React, WeatherAPI.com)*
https://alux444.github.io/weather-remastered/
- **Overhauled** and **redesigned** a previous project, following better development practice.
- Used **React** with **JavaScript** to allow users to make calls to a weather **API** and display information.

TECHNICAL SKILLS

Languages - Java, TypeScript, JavaScript, Python, SQL, HTML, CSS
Tools and Frameworks - React, Firebase, PostgreSQL, Three.js, TailwindCSS
Other - CI/CD Practice, GitHub Actions, Git, TensorFlow

EXPERIENCE & EXTRA CURRICULARS

Deloitte STEM Connect Virtual Experience Program   **July 2023**
Participated in a program to experience real business problems and develop practical skills in the industry, including:
- **Programming** - Implemented an algorithm using **Python.**
- **Development** - Prepared a **Software Development Proposal.**
- **Data Analysis -** Built a dashboard to explore a client's data.

Store Assistant at Pak'nSave   **(January 2022 - Current)**
- Assisted customers and maintained store standards.
- Managed and delegated tasks to teams of up to 5.

DEVS Hackathon   **July 2023**
- Created a social media app marketed towards fitness enthusiasts in a team of 3 in under 48 hours.
- Was responsible for the full planning, development, and deployment of the application.

Auckland University Strength Society (AUSS)
- Attended events and competitions with other gym-goers.

INTERESTS

Lifting, calisthenics, bouldering, fine art, parkour.