

Alex Liang

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Portfolio - <https://alux444.github.io/>

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Auckland, New Zealand

EDUCATION

The University of Auckland
Bachelor of Engineering (Honours) - **Software Engineering**

2022 – Present
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/>

- **Developed** and **deployed** the application, built on **TypeScript React** with the **Spotify API**.
- Utilized **CI/CD practice** to collect **user feedback**, creating an **ongoing feedback loop**.
- Incorporated **Cypress** into my **CI/CD Pipeline** for **end-to-end** testing, ensuring **functionality**.
- Currently **collaborating** with a **UX Design** student to **overhaul** and **refine** the design of the application.

KiwiMart – Online Store Dashboard (*React, Firebase*)

<https://alux444.github.io/online-store/>

- Successfully **planned** and **managed** 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**.
- Assisted with the styling of the project using **Tailwind**.

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**.
- Implemented **Firebase** for live messaging and its database features for storing message and user data.
- Integrated **User Authentication** through **Firebase Authentication**.

Fitness App Project – Exercise Recommender (*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**.

TECHNICAL SKILLS

Languages - Java, TypeScript, JavaScript, Python, SQL, HTML, CSS

Tools and Frameworks - React, Firebase, PostgreSQL, NodeJS, Three.js, Tailwind

Other - CI/CD Practice, Cypress, 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.