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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/>

- **Designed, developed, and deployed** the application, built on **React** with **TypeScript**.
- **Implemented** the suggestions of songs by selected criteria using the **Spotify API**.
- Utilized **CI/CD** practices to collect **user feedback**, creating an **iterative** feedback loop to improve the app.
- **Incorporated Cypress** into my **CI/CD Pipeline** for **E2E** testing, validating the **functionality** of each **deployment**.

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**.
- Implemented **Firebase** for the live messaging and its database features for storing messages and users.

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, 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.