

Alex Liang
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EDUCATION

The University of Auckland
Bachelor of Engineering (Honours) - **Software Engineering**
Grade: **A/A+**
2023 Dean's Honour List

2022 – Present
Studies End Nov 2025

EXPERIENCE

Spark NZ

Software Engineer

Feb 2023 – Present

- Continued work developing and maintaining automated test cases.

Spark NZ

Software Engineering Intern – Test Automation

Nov 2023 – Feb 2023

- Delivered over **40 automated test scripts** to production.
- Designed and deployed an **Azure Power App** to display test results from an **Azure storage container**.
- Collaborated with **QA engineers** and **manual testers** to automate tests cases using **Playwright**.
- Designed and managed **test data** using **Microsoft SQL Server**.

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** and **Agile practices** to collect **stakeholder feedback**, creating an **ongoing feedback loop**.
- Incorporated **Cypress** into my **CI/CD Pipeline** for **end-to-end** testing, ensuring **functionality**.
- Collaborated** with a **UX Design** student to **overhaul** and **refine** the design of the application.

KiwiMart – Full-Stack E-Commerce Store (React, Firebase, Tailwind)

<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.
- Implemented** the functions allowing for **CRUD** operations via the **admin dashboard**.
- Automated** the **deployment** of the project through **GitHub Actions**.

EXTRA CURRICULARS

Software Engineering Student Society (SESA)

Executive – Industry Lead

Oct 2023 - Present

- Student elected role for a club of over 350 active members, with an executive team of 16.
- Organised industry related events for the software engineering cohort.

SESA Student Mentor

March 2023 - Present

- Provided guidance to software engineering students as a mentor.

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, Development, Data Analysis** and **Cybersecurity**.

Store Assistant at Pak'nSave

Jan 2022 – Nov 2023

- 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.

TECHNICAL SKILLS

Languages - Java, TypeScript / JavaScript, Python, SQL

Tools - React, Firebase, NodeJS, Tailwind, Microsoft SQL Server, Splunk

Automation - Playwright, Cypress, Selenium

Other - Linux, CI/CD, Git, Docker, Kubernetes, Agile

Cloud – Azure, Power Platforms, Dynamics365

INTERESTS

Lifting, calisthenics, bouldering, fine art, parkour.