

Alex Liang
Penultimate Year Software Engineering Student

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Portfolio - <https://alux444.github.io/> | GitHub - <https://github.com/alux444> | LinkedIn - <https://www.linkedin.com/in/alexliang1>

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 (Auckland, NZ)

Software Engineer

Feb 2024 – Present

- Continued as a primary contributor and maintainer of the ERP Test Suite.
- Utilised node libraries to develop scripts for the generation of test data and files.
- Set up scheduled Azure pipelines for automated repopulation of consumable test data.

Spark NZ (Auckland, NZ)

Software Engineer Intern – Test Automation

Nov 2023 – Feb 2024

- Delivered over **40 automated, end-to-end 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.
- Utilised CI/CD and Agile practices to collect stakeholder feedback, creating an ongoing feedback loop for improvement.
- 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 Association (SESA)

Executive – Industry Lead

Oct 2023 - Present

- Student elected role for a club of over 350 active members, with an executive team of 16.
- Led a small team in organising industry related events for the software engineering cohort.
- Organisational committee member for the SESA x WDCC Hackathon, the largest student run hackathon in New Zealand.

SESA Student Mentor

March 2024 - Present

- Provided guidance to software engineering students of my junior cohort 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 x GDSC 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, Playwright, Firebase, NodeJS, Tailwind, Microsoft SQL Server, Splunk

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

Cloud – Azure, Power Platforms, Dynamics365

INTERESTS

Lifting, calisthenics, bouldering, fine art, parkour.