

EDUCATION

The University of Auckland
Bachelor of Engineering (Honours) - **Software Engineering**
Grade: **A/A+**

2022 – Present
Studies End Nov 2025

2023 Dean's Honour List
First in Course - SOFTENG281 (Object Oriented Programming)

EXPERIENCE

Spark NZ
Software Engineer

Auckland, NZ
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
Software Engineer Intern

Auckland, NZ
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, Cypress*)

<https://alux444.github.io/tracktrekker/>

- Developed and deployed the application, built on TypeScript React with the Spotify API.
- Utilised CI/CD and Agile practice to gather stakeholder feedback, allowing for continuous 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.

imgfx - Image Processor (*React, TypeScript, Docker, Google Cloud*)

<https://imgfx-kljpbesnwg-ts.a.run.app/>

- Leveraged Google Cloud Run to deploy the Docker container as a serverless service.
- Enabled service scaling to minimise CPU minutes and save costs.

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 17.
- Led a small team in organising industry related events for the software engineering cohort.
- Organisational committee member SESA x WDCC Hackathon, 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.

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 2023

July 2023

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

TECHNICAL SKILLS & INTERESTS

Languages – Java, TypeScript / JavaScript, Python, SQL

Tools – React, Firebase, NodeJS, Tailwind, Microsoft SQL Server

Other – CI/CD, Git, Docker, Kubernetes, Agile, Linux, Splunk

Cloud – Azure, Microsoft Power Platform, Dynamics365, Google Cloud

Testing – Playwright, Cypress, Selenium, Postman

Interests – Boulderling, parkour, lifting, calisthenics, fine art