Alex Liang
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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   **2022 – Present**
Bachelor of Engineering (Honours) - **Software Engineering**   **Studies End Nov 2025**
Grade: **A/A+**
2023 Dean's Honour List

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.

imgfx - Image Processor *(React, TypeScript, Docker, Google Cloud)*
https://imgfx-kljpbesnwq-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 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.

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, Firebase, NodeJS, Tailwind, Microsoft SQL Server
Other – CI/CD, Git, Docker, Kubernetes, Agile, Linux, Splunk
Cloud – Azure, Power Platforms, Dynamics365, Google Cloud
Testing – Playwright, Cypress, Selenium, Postman

INTERESTS

Lifting, calisthenics, bouldering, fine art, parkour.