

## EDUCATION

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**University of Auckland** | *Bachelor of Engineering (Hons.)*

2023 – 2026

- **GPA: 8.0/9.0** (A/A+ Average)
- **Dean's Honour List 2024** (Top 5% of Cohort)
- Part III - Penultimate year of Software Engineering

## WORK EXPERIENCE

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**Alimetry** | *Swift, SwiftUI, Python, Git*

Auckland, NZ

*Software Engineering Intern*

Nov. 2024 – Feb. 2025

- Developed components and screens for Alimetry's iOS application using SwiftUI, improving the modularity of the codebase and the user's experience.
- Built an internal tool to assist with data modification processes, enhancing efficiency for other developers.
- Worked with API calls and JSON parsing, handling data retrieval and processing for various app features.

**Chemist Warehouse**

Auckland, NZ

*Pharmacy Assistant*

Aug. 2021 – Nov. 2024

- Collaborated in a team of over 25 and ensured smooth operations during peak hours throughout the year.
- Contributed to the store's sales success, becoming the second-highest performer in fragrance sales.
- Trained over 5 new staff members in transactions and store procedures, helping them integrate into the team.

## PROJECTS & COMPETITIONS

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**Virtual Patient Simulator** | *React, Express, Node.js, MongoDB, Git*

Mar. 2024 – Nov. 2024

- Developed interactive user interfaces for the University of Auckland's Faculty of Medical and Health Science, creating virtual patient interaction simulations for students to practice with.
- Worked on frontend components and scenario access for users.

**Jewel Heist** | *Java, JavaFX, OpenAI API, Git*

Jul. 2024 – Nov. 2024

- Led the development of a puzzle based deduction game, using Java and JavaFX.
- Used the OpenAI API to allow engaging and context-aware conversations with the suspects.

**SignSafe** | *Python, PyQt5, Git*

Jul. 2024 – Nov. 2024

- Developed a sign language interpreter app using Python and PyQt5 and three machine learning models: AlexNet, EfficientNet and a custom ResNet.
- Users are able to train the models with a dataset and make predictions off the trained models.

**NZ Cyber Security Challenge**

July 2024

- Ranked in the top 50 in the National round, earning a place at the finals at Waikato University in Hamilton.
- Solved complex cybersecurity challenges and competed in Capture The Flag (CTF) puzzles.

## EXTRACURRICULAR

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**Web Development and Consulting Club**

Auckland, NZ

*Competitions Executive*

Nov. 2024 – Present

- Planned and organized hackathons and other competitive events, managing participants, and ensuring smooth event execution. Created an innovative atmosphere and encourage engagement within the community.

**Hidden Treasure** | *TypeScript, React, Next.js, PayloadCMS, Git*

Auckland, NZ

*Technical Lead*

Mar. 2025 – Present

- Leading a team of developers in building a charity website while expanding my technical knowledge.
- Coordinating between developers, designers, and client stakeholders to ensure project success.

## TECHNICAL SKILLS

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**Languages:** Java, Python, JavaScript/TypeScript, Swift, C/C++, HTML/CSS, Matlab

**Frameworks:** React, Next.js, SwiftUI, Node.js, Express.js, Material-UI, TailwindCSS

**Developer Tools:** Git, Github, Bitbucket, VSCode, XCode