

## Education

### University Of Auckland

2018-2022

Bachelor of Engineering (Honours) : Specialising in **Computer Systems Engineering**  
Bachelor of Science : Majoring in **Statistics**

#### Relevant Course Work:

- Data Structures and Algorithms
- Mathematical Modelling 2
- Probability and Its Applications
- Object Oriented Design and Programming
- Fundamentals In Computer Engineering
- Analogue and Digital Systems

#### Awards:

Certificate of Outstanding achievement: **Data Structures and Algorithms**

## Employment

### Teaching Assistant

University Of Auckland

Mar 2021 – Present

- Taught University of Auckland students fundamental computer science concepts at Labs.
- Course staff for "Principles of Programming"

### Software Developer

Health In Focus

Mar 2021 – Present

- Developing an algorithm for question difficulty to maximise learning.
- Developing Online Learning Platform for students with Video and Feedback Integration.

### Software Engineer, Intern

Clever First Aid

Nov 2020 – Feb 2021

- Developed a **Mobile App** to Install Clever First Aid Kits using **Dart** and **Flutter**.
- Implemented Bluetooth Software to Communicate between the App and the **Raspberry Pi** inside the kit using **Python**.
- Going to be used to install Clever First Aid Kits in Companies such as **McDonalds**, **KFC**, and **Air New Zealand**.

## Personal Projects

### Handwritten Digit Recognizer

- A **Machine Learning** Application with a GUI that recognizes handwritten digits on a drawing canvas.
- Developed using **Python**, utilizing **PyTorch** for Machine Learning and **PyQt** for the GUI.

### UC Games

- An Android E-Commerce **Mobile Application** that showcases Video Games.
- Implemented using **Java** and **XML**.

### Study-Bot

- A Study Planner which allows users to add and view classes in a Calendar.
- Implemented using **JavaScript** and **React** for the Frontend, **Python** and **Flask** for the Backend.

### Traffic-Simulator

- Simulates traffic patterns such as lane following and lane changing.
- Developed in a **MVC** design pattern using **Linked-Lists** in **C++**.

## Technical Skills

**Languages:** Python – Dart – C/C++ – MATLAB – HTML – CSS – Java – JavaScript – Typescript

**Tools/Frameworks:** Linux – Flutter – Git – XML – PyTorch – Flask – React – Azure

## Extra-Curricular / Certifications

- Microsoft Student Accelerator
- Maths and Physics Tutor
- Microsoft Certified: Azure Fundamentals
- UOA Squash Club