

## Education

University of Auckland

Mar 2018–Nov 2021

Bachelor of Engineering (Honours) – Software Engineering

- **Cumulative GPA: 7.46/9 (A– average)**
- Notable paper: **SOFTENG 206 – Software Engineering Design 1 (A)**
- Awarded a University of Auckland Academic Potential Scholarship in 2016.

Avondale College

Feb 2012–Dec 2016

- Served as **Head Boy** in 2016. Awarded an NZQA Scholarship (Statistics).

## Experience

ecoPortal – Software Configuration Intern

Sep 2019–Feb 2020

- Created an automated data pipeline that utilised RESTful APIs to transfer information between HubSpot, Trello, and Toggl. This replaced a manual Client Success team process, saving them hundreds of hours per year. Back-end components were built on **AWS Lambdas** written in **Node.js**, alongside a front-end user facing **Trello Power-Up**, all within an **Agile** environment.
- Configured the ecoPortal software to meet the needs of clients using front-end scripts in **Lisp**.

## Projects

VARpedia ([GitHub: VARpedia](#))

2019

- **Java** object-oriented application that helps users learn about new terms in the English language using visual, aural, and reading methods. Utilises JavaFX to deliver a customisable design optimised for second-language learners.

engrevue.co.nz ([GitHub: engrevue-website](#))

2020 (ongoing)

- **React/Gatsby** responsive landing page website that promotes the Engineering Revue, which has received thousands of visits.

K-Colour Image Converter ([GitHub: k-colour-image-converter](#))

2018

- **MATLAB** script that implements the K-means algorithm to convert a full-colour JPEG image of any size into one that uses only  $k$  number of colours, receiving a **100% mark** in ENGEN 131.

## Extracurriculars

UoA Engineering Revue – Executive (Tech Manager), Lighting Designer, Writer

2018, 2019, 2020

- Lead and managed all technical aspects of a student-run variety comedy theatre show.
- Designed and operated the show's lighting for Act 1, collaborating with a team of directors.
- Wrote several musical parodies and original comedy skits.

UoA Faculty of Engineering Part II Student Blog – Blogger ([Link to All Posts](#))

2019

- Wrote a series of blog posts for the University discussing my experiences as a second year Software student, helping current first years decide on a specialisation for their future.

Microsoft Office Specialist World Championship

2014, 2015, 2016

- Placed **1<sup>st</sup> in the country** for three consecutive years in Microsoft PowerPoint, Word, and Excel certifications, taking me to the international competition, where I placed in the top 10 each time.

## Skills

Java (strongest), JavaScript (incl. React), Git, AWS, Lisp, HTML/CSS, Python, C, MATLAB

## Hobbies

Lighting design, writing, PC building, video editing, photography, running