



Education

University of Auckland

Mar 2018–Nov 2021

Bachelor of Engineering (Honours) – Software Engineering

- **Cumulative GPA: 7.45 (A-/A average)**
- 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), the Lance Lowe Award for technical support in Performing Arts & the Terry Jones Award for achievement in 2 sciences.



Projects

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. Implemented matrix vectorisation concepts to maximise performance to hundreds of times faster vs conventional for loops.

Shift Manager ([GitHub: shift-manager](#))

2019

- **Java** program that uses a client-server model to allow users to manage an employment roster.

engrevue.co.nz ([GitHub: UoAEngineeringRevue.github.io](#))

2019 (ongoing)

- **HTML/CSS/JavaScript** responsive website with Bootstrap and jQuery that promotes the UoA Engineering Revue, receiving thousands of visits as the primary redirect for ticket sales.



Experience

Noel Leeming New Lynn – Storeman

Nov 2017–Jan 2019

- Processed receipt, storage, and delivery of retail stock, practicing consistent precision and working with a team of sales and customer service staff to efficiently maintain this system.

Rhythm & Alps – Top Up Operator

Dec 2018

- Topped up customers' electronic wristbands in a festival environment, requiring accuracy with financial transactions and focus over long shifts while communicating with drunk punters.



Extracurriculars

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

2018, 2019

- 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 **1st 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), C, MATLAB, Python, Git, HTML, CSS, JavaScript



Hobbies

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

Referees available upon request