

## Education

University of Auckland

Mar 2018–Nov 2021

Bachelor of Engineering (Honours) – Software Engineering

- **Cumulative GPA: 8.14 (A/A+ average)**
- Notable paper: ENGGEN 131 – Introduction to Software Development (**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), 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.

dikunong.nz ([GitHub: dikunong.github.io](#))

2019 (ongoing)

- **HTML/CSS/JavaScript** responsive website that showcases my online profile and portfolio.

## Experience

Noel Leeming New Lynn

Nov 2017–Jan 2019

Storeman

- 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

Dec 2018

Top Up Operator

- 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

- Managed all technical aspects of a student-run variety comedy theatre show, including the hireage and rigging of equipment, leadership of a crew, and coordinating production logistics.
- Designed and operated the show's lighting for Act 1, collaborating with a team of directors.
- Wrote several musical parodies and original comedy skits.

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), C, MATLAB, Python, Git, HTML, CSS, JavaScript

## Hobbies

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

Referees available upon request