

# Matt Eden

FINAL YEAR COMPUTER SYSTEMS ENGINEERING

✉ me@matteas.nz | 🏠 matteas.nz | 📧 matteas-eden | 🌐 matteas-eden

## Experience

### Teknique Ltd.

Rosedale, Auckland

SOFTWARE ENGINEERING INTERN

Nov 2019 - Feb 2020

- Implemented a dashboard to visualise manufacturer data using **Grafana** that was adapted for production
- Modernised a legacy in-house quality assurance test suite from Python2 to **Python3**
- Performed crucial research into data visualisation solutions with **Linux** servers containerised using **Docker**
- Developed hardware and software tests with **Nose** for an in-house SDK

### University of Auckland

Auckland CBD, Auckland

TEACHING ASSISTANT

July 2019 - Present

- Designed programming questions in **Python** and **Java** using an online content delivery system for graded assignments
- Conducted weekly in-person lab sessions for students to assist in their learning
- Taught students the fundamentals of **Object Oriented Programming** in **C++**
- Improved students' understanding of data structures and algorithms

### New Zealand Qualifications Authority

Epsom, Auckland

DIGITAL EXAMINATIONS CO-COORDINATOR

Nov 2017, Nov 2018, Nov 2019

- Supervised the delivery of a digital platform for NCEA exams to over 1000 students across 3 years
- Personally invigilated over 40 exams from NCEA Level 1 through to NCEA Level 3

## Education

### University of Auckland

Auckland CBD, Auckland

B.ENG (HONS) IN COMPUTER SYSTEMS

Mar 2017 - Nov 2020

Undergraduate degree combining Electrical Engineering and Software Engineering to create a holistic view of computers and their operations.

### ACG Parnell College

Parnell, Auckland

CAMBRIDGE INTERNATIONAL EXAMINATIONS

Jan 2012 - Dec 2016

Top-achieving student in A-Level Mathematics, Physics, Computer Science and AS English.

## Projects

### Roll for Reaction

 GitHub

 MATTEAS.NZ/ROLL-FOR-REACTION

March - June 2020

- A turn-based rogue-like dungeon-crawler RPG that takes inspiration from *Dungeons and Dragons*
- Implemented using React and Redux, the game supports both desktop and mobile platforms

### Energize

 GitHub

 MATTEAS.NZ/ENERGIZE

March - May 2019

- A side-scrolling action adventure game with randomly generated maps and support for LAN multiplayer
- Voted #1 Best Game at the event it was showcased at, winning out against over 30 other games

## Extracurricular Activity

### Japanese Auckland Meetup (JAM+)

Auckland, NZ

SECRETARY

Jan 2018 - Present

- Managed the internal operations of the largest Japanese Language Exchange club in Oceania
- Coordinated the design and purchase of merchandise to increase club visibility

### Auckland University Goju-Ryu Karate (AUGRK)

Auckland, NZ

MEMBER

Mar 2018 - Present

- Gained experience in offensive and defensive martial arts techniques
- Participated in martial arts tournaments

## Skills

**Frameworks** CherryPy, .NET Core, React, Redux

**Languages** C, C++, Java, Javascript, MIPS Assembly Language, MySQL, Python, VHDL

**Technologies** Docker, Git, Grafana, Linux