

# Vinny Tunnell

<https://vinnytunnell.com>

☎ +64 22 642 8944 | ✉ [vinny.tunnell@gmail.com](mailto:vinny.tunnell@gmail.com) | 🌐 [vinnyt123](#)

## Work Experience

### **Quantiful**, *Data Engineer*

March 2021 – Present

- Implemented multiple automated ETL pipelines for large retail datasets using Python/Pyspark, and a range of AWS services including Glue, ECS, Lambda, Step Functions, Athena and S3.
- Designed and implemented large scale machine learning pipelines using AWS Sagemaker.
- Automated provisioning of resources using infrastructure as code (Cloudformation, AWS SAM).
- Extensive use of SQL to validate quality of, and produce business insights from datasets.
- Development and testing of Devops tools using Python, Bash, Docker, TravisCI and AWS APIs.
- Conducted job interviews and wrote technical assessments for candidates.

### **Quantiful**, *Data Engineer Intern*

November 2020 – March 2021

### **University of Auckland**, *Graduate Teaching Assistant*

July 2020 – December 2020

- Presentation of fundamental software development material to labs of over 80 students.
- Tutor for individual help with Python programming exercises in labs and online.

### **Maxtel Software**, *Software Engineer Intern*

November 2018 – August 2019

- Developed the majority of a break management app for McDonald's - deployed to all 167 McDonald's sites in New Zealand and used by 110 regularly over one year.
- Web development using HTML, CSS, and Javascript.
- Entity relationship model design and use of SQL.

## Education

### **BEng (First Class Honours) in Software Engineering**, *University of Auckland*

2017 – 2020

- Dean's Honours list, Faculty of Engineering 2020, 2017 (top 5% of engineering cohort)
- GPA 7.65/9 (A average)

## Key Projects

**Selecttext** – Chrome/Firefox extension for copying text directly from Youtube videos. 1500+ users on the Chrome Web Store. Extension homepage built with React: [selecttext.app](https://selecttext.app). Backend built with NodeJS and a range of AWS and GCP services. Project technologies diagram [here](#).

**Democrify** – Party playlist web app built using a MERN stack (MongoDB, Express, React, Redux, NodeJS), and the Spotify Web API. Hosted using MongoDB Atlas and Heroku.

**VR Art Therapy** – Virtual reality painting tool for use in dementia therapy. Literature review, implementation in Unity with C#, and research report for final year engineering project.

## Skills

**Technologies:** Python, Java, Javascript, SQL, Bash, AWS, GCP, Docker, HTML/CSS, React, Unity, Git

**General Software:** Agile Development, Systems Design, UX Design, Unit testing

**Professional:** Communication, Teamwork, Adaptability, Problem solving, Leadership