

# Vinny Tunnell

<https://vinnytunnell.com>

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Final year software engineering student eager to collaborate with others to build high quality software.  
Positive, sociable, and motivated to learn and adapt to new challenges.

## Education

**BEng (Honours) in Software Engineering**, *University of Auckland* **2017 – Present**

- Dean's Honours list, Faculty of Engineering 2017 (top 5% of engineering cohort)
- Current GPA 7.4/9 (A-/A average)
- University exchange, University of British Columbia, Vancouver, 2019

**NCEA Level 3 Overall Merit Endorsement**, *Green Bay High School* **2012 – 2016**

- Captain of First XI Football Team
- Senior mentor for year 10 students

## Work Experience

**University of Auckland**, *Graduate Teaching Assistant* **July 2020 – Present**

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

**Maxtel Software**, *Software Engineer Intern* **November 2018 – August 2019**

- Designed and developed a break management mobile app for McDonald's - deployed to all 167 McDonald's sites in New Zealand and used by 110 regularly over the last year.
- Frontend development on an employee file management system used by a total of 191 McDonald's franchisees across New Zealand and Australia.
- Use of HTML, CSS, and Javascript in frontend development.
- Formation of entity-relationship models and experience with SQL.
- Experience with Agile and the Scrum development process.

**Burger Wisconsin - Ponsonby**, *Crew Member* **November 2017 – April 2018**

- Customer service, teamwork and interpersonal skills in a fast-paced environment.

## Skills

**Languages:** Java, Javascript, HTML/CSS, React, Python, SQL

**Other Software:** Git, Agile Development, UX Design, ER Models, Unit testing, Algorithms, Data Structures

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

## Key Projects

**Democrify** - Party playlist web app built using a MERN stack (MongoDB, Express, React, Redux, NodeJS), and the Spotify Web API. Hosted using Heroku at <https://democrify-party.herokuapp.com>

**NameSayer** - Java/JavaFX application used for practicing the pronunciation of names. FFmpeg commands called via the Bash Unix shell used to record, play back, and manipulate audio.

**Tweeto** - Social media application created using the CherryPy web framework for Python3 with encryption of private messages using PyNacl. SQL, HTML, CSS, and Javascript/Jquery also utilised.