

KEVIN TANG

kevtang.me | kevin.tang2648@gmail.com | <https://www.linkedin.com/in/kevintangnzl>

Education

The University of Auckland

BE(Hons) in Electrical and Electronic Engineering

Mar 2017 – Present

Papatoetoe High School, Auckland

NCEA Level 3

2016

Personal Projects

Punch-activated water gun

June 2018 – Present

- **Adapted** a punch activated flamethrower tutorial to fit current project
- **Designed** the schematics of the project
- Created **C** code to process the water gun

Wireless Energy Monitor

July 2018 – Oct 2018

- Programmed the **CPLD** with **VHDL** to display values and units
- Programmed the microcontroller with **C** to transmit via UART

Personal Website

July 2018

- Proficient in **HTML+CSS**
- **Designed** a personal portfolio website

Technical Skills

Programming Languages: C/C++, HTML+CSS, MATLAB

Software Knowledge: Quartus+VHDL, Altium Designer, Arduino IDE, Creo, LTspice,

Hardware Knowledge: Oscilloscope/Waveform machines, **Microcontrollers**, PCB creation

Language Proficiencies: English (Fluent), Hakka Chinese (Native), Mandarin Chinese (Intermediate), Teochew/Chaozhou (Intermediate), Cantonese (Beginner)

Work Experience

Countdown Manukau, Auckland

Feb 2017 – Jan 2018

Checkout Operator/Trolley Collector

- Assisted customers by finding products resulting in excellent customer service feedback
- Taught new employees how to push trolleys efficiently and operate the checkout machines
- Completed New Zealand Certificate in Retail – Level 2

Extracurricular Activities

- Student member of the Institute of Electrical and Electronics Engineers (IEEE)
- Student member of Engineering New Zealand
- Member of Auckland University Engineering Society (AUES)
- Member of the UoA IEEE Student Branch
- Member of the University of Auckland Unleash Space
- Member of the University of Auckland Samoan Students' Association (UASSA)
- Participated in the 2018 Microsoft Student Accelerator (MSA)

Interests and hobbies

- Embedded Systems
 - Reading and researching through forums
 - Creating Arduino projects
- Watching and playing basketball and field hockey
- Playing the guitar

Referees available on request