

Kevin Tang

kevin.tang2648@gmail.com • 0220086475

[linkedin.com/in/kevintangnz/](https://www.linkedin.com/in/kevintangnz/) • www.kevtang.me • github.com/KevTango

EDUCATION

| | |
|---|-------------|
| The University of Auckland BE(Hons) in Electrical and Electronic Engineering | 2017 – 2020 |
| Papatoetoe High School, Auckland NCEA Level 3 | 2012 – 2016 |

PROJECTS

| | |
|---|------------------------|
| <i>Rear Light Transmitter</i> <ul style="list-style-type: none">• Able to send and receive speed of vehicle ahead once it brakes• Designed several circuits and provided research• Delegated tasks to group members | April 2019 – June 2019 |
| <i>Flappy Bird Game</i> <ul style="list-style-type: none">• Programmed an FPGA with VHDL to play Flappy Bird• Able to play multiple game modes and contains multiple new features | April 2019 – May 2019 |
| <i>Wireless Energy Monitor</i> <ul style="list-style-type: none">• Programmed a CPLD with VHDL to display values and units• Programmed an ATmega328PB to transmit via UART | July 2018 – Oct 2018 |

TECHNICAL SKILLS

Programming Languages: C, C++, HTML+CSS, LaTeX, MATLAB, Python, VHDL

Software Knowledge: Altium Designer, Arduino IDE, Atmel Studio, DiaLUX, Git, LTSpice, ModelSim, Quartus, uPyCraft

Hardware Knowledge: FPGAs, Microcontrollers (Arduino + MicroPython), Oscilloscope, Soldering, Waveform Generators

WORK EXPERIENCE

| | |
|--|---------------------|
| <i>Cawthron Institute, Nelson – Cawthron Foundation Scholar</i> <ul style="list-style-type: none">• Awarded the Sir Theodore Riggs Scholarship• Prototyped and tested an accelerometer chain and data logger for an offshore mussel farm• Debugged coworker's electronics and provided electronics training | Nov 2019 – Feb 2020 |
| <i>University of Auckland, Auckland – UniGuide</i> <ul style="list-style-type: none">• Led new university students around campus to familiarise them to the university environment• Provided mentorship to new students to help them succeed | Semester One 2019 |
| <i>Countdown Manukau, Auckland – Checkout Operator</i> <ul style="list-style-type: none">• Assisted customers in finding products resulting in positive customer feedback• Taught new employees how to push trundlers efficiently and operate the checkout machines• Completed New Zealand Certificate in Retail – Level 2 | 2017 – 2018 |

EXTRACURRICULAR ACTIVITIES AND CERTIFICATIONS

- 2019 and 2020 IEEE University of Auckland Student Branch Executive Committee Member
- 2019 Part III EEE Class Representative for the ECSE Staff-Student Consultative Committee
- New Zealand General Amateur Radio Operator – Callsign: ZL1KTA
- Participated in the University of Auckland ChipSat Hackathon

HOBBIES

- Learning new foreign languages
- Playing the guitar
- Field Hockey – Played for Papatoetoe High School's 1st XI (2013-2016)