

KEVIN TANG

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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 AND VOLUNTEER 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 and 2020 Part IV 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)