

# KEVIN TANG

[kevin.tang2648@gmail.com](mailto:kevin.tang2648@gmail.com) • [www.linkedin.com/in/kevintangnz](http://www.linkedin.com/in/kevintangnz) • kevtang.me

## EDUCATION

---

The University of Auckland Estimated Feb 2021  
BE(Hons) in Electrical and Electronic Engineering

## PROJECTS

---

*Visual Weather Indicator with ESP8266* Jan 2019 – Feb 2019

- Created C code to extract weather information from website
- Programmed the NeoPixel Ring and OLED Display to output colours and values

*Punch Activated Solenoid Gun* Jun 2018 – Feb 2019

- Adapted a punch activated flamethrower project to fit current project
- Designed the PCB on Altium Designer

*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, LaTeX, MATLAB, Python, VHDL

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

*Hardware Knowledge:* Microcontrollers, Oscilloscope and Waveform Machines

## WORK AND VOLUNTEER EXPERIENCE

---

*University of Auckland UniGuide* Semester One 2019

- Led new university students around campus to familiarise them to the university environment
- Provided mentorship to new students to help them succeed

*ICEIC Conference Volunteer, Auckland* Jan 2019

- Provided assistance to ECE postgraduate students and professors during their presentation
- Facilitated attendees by making them feel welcomed and guiding them to the correct rooms
- Delegated tasks to other team members to increase speed when setting up the presentation

## EXTRACURRICULAR ACTIVITIES

- 
- 2019 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
  - Participated in the University of Auckland ChipSat Hackathon

## AFFILIATIONS

- 
- Student member of the Institute of Electrical and Electronics Engineers (IEEE)
  - Student member of the Institute of Electronics and Information Engineers (IEIE)
  - Student member of Engineering New Zealand
  - Member of Auckland University Engineering Society (AUES)
  - Member of University of Auckland IEEE Student Branch