

# KEVIN TANG

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

## EDUCATION

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

## PROJECTS

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*Visual Weather Indicator with OLED Display and NeoPixel Ring* 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 Water Gun* Jun 2018 – Jan 2019

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

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

*Software Knowledge:* Altium Designer, Arduino IDE, Atmel Studio, Creo, LTSpice

*Hardware Knowledge:* Microcontrollers, Oscilloscope and Waveform Machines

## WORK AND VOLUNTEER EXPERIENCE

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*University of Auckland UniGuide* Semester One 2019

- Led new university students around campus to familiarise them to the university environment

*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

*Countdown Manukau – Checkout Operator/Trundler Collector* 2017 – 2018

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

## AFFILIATIONS

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