

KEVIN TANG

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EDUCATION

The University of Auckland

BE(Hons) in Electrical and Electronic Engineering

Feb 2021

PROJECTS

Punch Activated Water Gun

Jun 2018 – Jan 2019

- Adapted a punch activated water gun 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

Programming Languages: C, C++, HTML+CSS, Java, Javascript, Latex, MATLAB, Python 3, VHDL

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

Hardware Knowledge: Microcontrollers, Oscilloscope and Waveform Machines

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

WORK AND VOLUNTEER EXPERIENCE

ICEIC Conference Volunteer

Jan 2019

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

- 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 University of Auckland IEEE Student Branch