KEVIN TANG

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EDUCATION

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

PROJECTS

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

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

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

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 mentoring to new students

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

- 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