JED YEO

Electrical Engineering Student

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PROJECTS & COURSEWORK

UBC Concrete Toboggan - Electrical Sub-Team

Multiple Projects

September 2017 - Present

- Color Organ Circuit Takes an audio input and outputs varying signals to LEDs to simulate an RGB equalizer, with the intention of accompanying the toboggan model at a showcase
- Wireless Bluetooth Communication Helped implement Bluetooth communication between two Arduino modules in order to record important strain and stress data in the toboggan

Semester Design Projects

- AC Voltmeter & Oscilloscope In C, programmed an AC voltmeter to measure phasor amplitude and phase, and simulated the AC signal in a Python script, then stored data in an Excel file
- ADC Temperature Sensor Converted voltages into readable temperatures from an ADC, and plotted results to a stripchart using a Python program interfacing with a serial port
- Reflow Oven Controller In a team of 6, collaborated to program a reflow soldering oven controller. Programmed the FSM and LCD GUI, as well as the Python graphing module

Portfolio Website

Personal Project

January 2019

- Designed my own website to serve as an online portfolio
- Includes simple animations, links, personal project portfolio, and resumé
- Coded from the ground up using HTML, CSS, and Javascript
- Gained experience with node.js and associated packages

EXPERIENCE

Warehouse Technician

Johnstone's Barbecue & Parts

June 2017 - September 2017

- North Vancouver, B.C.
- Worked full time over the summer assembling and repairing barbecues
- Responsibilities included problem analysis, barbecue delivery, customer assistance, warehouse organization and inventory management
- Learned to be efficient in assembly of barbecues as well as delivery due to the high-paced working environment

Interests & Hobbies

Snowboarding, Hockey, Chess, Video Games, Live Concerts, Photography, Technology, Making Friends, Learning New Things

EDUCATION

BASc, Electrical Engineering

University of British Columbia

Est 2017 - Present

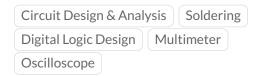
- Expected Graduation May 2022
- 0 / 5 work terms completed, available for 4 months starting May 2019

SKILLS

Programming



Electrical



Software

Git	Visual Studio		Quartus	
ModelSim		Word	Excel	
Powerpoint		Overl	eaf	Windows
Mac	OS X			

Soft Skills

Love of Learning	Extremely Organized			
Technical & Persuasive Presentations				
Communication	Detail Oriented			

REFERENCES

Gerard Kho

- Senior Manager, BC Hydro
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Serena Johnstone

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Glenn Johnston

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