

KYLE JOSLING

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SUMMARY OF QUALIFICATIONS

- Third year mechatronics engineering student with experience developing back-end systems
- Extensive experience with iterative design, problem-solving and creative thinking

EDUCATION

B. Eng. Sc. Mechatronic Systems Engineering | University of Western Ontario

2015- (expected) 2019

Deans Honour List – 3.90/4.00 GPA

WORK EXPERIENCE

Software Developer Intern | London Hydro

May 2017 – August 2017

- Worked on a pilot project that aims to shift residential energy consumption patterns to off-peak times by implementing home automation systems and consumer-facing applications
- Contributed to development of a back-end system using AWS API Gateway, Lambda and DynamoDB to receive and prepare real-time energy data for analytics and customer use
- Wrote test scripts in Python to test APIs, devices and back-end systems
- Acted as communications lead with hardware supplier
- Developed an Amazon Alexa skill to return users energy data

Project Management | TF Warren Group – Blastech

June 2016 – September 2016

- Tracked projects through completion for Canada's largest industrial coating applicator
- Maintained a database of projects, updated customers on project status

PROJECTS

Face Tracking Quadcopter

June 2017 – Present

- Built a quadcopter that follows human faces using an Arduino for flight controls and a Raspberry Pi for image processing
- Used OpenCV to implement haar-cascade classifier and kernel algorithms to detect and track faces
- Developed as a personal project using a combination of off-the-shelf components and 3D printed parts

Wink Controlled Game

Hack the 6ix 2017

- Created a game that is completely controlled by the users facial expressions
- Top 4 Winner at Hack the 6ix 2017

SKILLS

Software

Python, C++, Node.js, MySQL, HTML/CSS/Javascript, OpenCV, AWS

Hardware

SolidWorks (CSWA certified), Autodesk EAGLE, rapid prototyping, soldering