

## Skills

Visual Basics

C++

C#

PBasic

Assembly

Java

Cisco Routing &

Networking

Microsoft Office Suites

## Qualifications

Communication

Leadership

Problem Solving

Interpersonal Skills

Time-management

Organization

## Education

University of Waterloo

Expected 2022

Bachelor of Applied

Science, Honours

Chemical Engineering

Co-op

## Interests

Working towards CCENT

Soccer

Distance Running

Learning about tech

## Projects

### Armstrong's Mixture Explosive (Wet Lab)

December 2016 – January 2017

- Created and presented on pyrotechnics and explosives
- Tested and researched mixture of Phosphorous that was demonstrated in a controlled explosion to class

### Display Case Project (C++)

November 2016 – January 2017

- Programmed Arduino Uno controller in C++ for LED lights stripes and designed and soldered circuit and breadboard for LED lights
- Worked on Raspberry Pi 2 and programming the computer to display school information
- Designed and soldered circuit and breadboard for LED stripe for project

### LOK Game (C#)

October 2015 – January 2016

- Co-developed a game with the Unity Engine while learning C# and presented successful build of game

### Light and Reflection (Science Fair)

March 2015 – June 2015

- Independently implemented and designed a project regarding the nature of light on different shapes and colours
- Researched and tested findings using lab equipment such as lux meters

## Experiences

### President, Environment Club, SATEC @ W.A. Porter C.I.

May 2015 - June 2017

- Worked on creating 2016 UN Marrakech conference video with club members under 2 days
- Presented to school wide audiences with over 600 listeners each on environmental initiatives and action
- Created several visual presentations and work reports detailing club results to EcoSchool's board
- Led school to a Platinum EcoSchool distinction achieving the highest score in recent years

### Computer Club & Arduino Club, SATEC @ W.A. Porter

September 2015 - May 2017

- Problem solving using C# and Visual Basics
- PBasic stamp robotics and C# for Arduino
- Troubleshooting and error checking programming during debugging phase.

### SATEC @ W.A. Porter C.I. , Computer Engineering Tutoring

May 2016 – June 2016

- Tutored fellow students in computer engineering and helping them gain understanding of concepts such as low-level programming, adders/subtractors, latches and flip-flops.

## Distinctions

### Platinum Status EcoSchool (93.10/100)

September 2015- June 2017

- Highest score achieved for High School in recent years
- Awarded to Ontario high schools that achieve high standard in environmental learning and initiatives
- Raised school score from 88 to 93.1

### Standard First Aid & CPR Level C with AED Awareness

2016 - 2019

- Certified by Workplace Medical Corp