

## Technical Skills

- **Programming Languages:** C, C++, Java, HTML, CSS, Matlab, x86-64 Assembly, SQLite
- **Operating Systems:** Windows, Ubuntu, Mac OS, Linux Mint, Android
- **Software:** Visual Studio, Eclipse, Android Studio, Subversion, Git, VirtualBox, Microsoft Office, Adobe Fireworks
- Experience in software design, testing, and debugging

## Transferrable Skills

- Great written and verbal communication and social skills
- Experience working in busy and highly stressful situations
- Ability to cooperate well with people in a team environment, as well as individually
- Follows instructions accurately to ensure tasks are finished precisely and on time

## Self-Directed Projects

### LIFX Controller

May – Jun 2017

- Utilized Java to create a program allowing remote controlling of LIFX smart light bulbs from any computer by sending HTTP requests through the LIFX HTTP API
- Applied object-oriented design to allow easier handling and better abstraction of individual light bulbs within the application
- Worked with one other team member to efficiently join front and back end development of the app giving a smooth user experience

### Personal Website

Mar 2017

- Used HTML and CSS to create a landing page for my personal website that will allow anyone to quickly learn a little about me, as well as view my professional pages
- Took the initiative to learn HTML and CSS in my free time in order to allow me to design and create this webpage

### Word Generator

Dec 2016

- Exercised object-oriented programming by using classes and functions in C++ to organize separate tasks and instructions required for the operation of the program
  - Created a program that generates a new pronounceable word of desired length after utilizing a given library of words to determine what an acceptable word is
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## Further Technical Projects

### **Calculot Math Learning App**

Feb - Apr 2017

Introduction to Software Engineering, SFU

- Used Java with Android Studio to contribute to the development of an Android application that teaches users about math topics and helps them study with games
- Primarily worked on creating the UI and allowing the UI to flow nicely and work smoothly with the backend of the project
- Worked as part of a group of four following the scrum methodology

### **Dynamically Changing Speed Limit Sign**

Sep - Dec 2015

Engineering Technology and Society, SFU

- Programmed an Arduino board in a variant of C++ to read each individual sensor as input, and output the resolved speed to a seven-segment display
- Worked with a group of seven to create a prototype for a speed sign that changes depending on road conditions by sensing the conditions around it

## Competitions

### **Western Engineering Competition**

Jan 2016

University of British Columbia Okanagan, Kelowna BC

- Competed against twelve other Western Canadian universities with a team of four after qualifying to represent SFU at the competition
- Designed and created a prototype for an emergency signaling device using rudimentary materials and supplies

## Other Work Experience

### **Photo / Electronics Specialist**

Aug 2015 – Present

London Drugs, Langley, BC

- Serviced customers using great communication skills and product knowledge to ensure their satisfaction
- Followed requests from superiors using merchandising skills to create what is desired

### **Customer Service Specialist / Stock Service**

Sep 2013 – Aug 2015

London Drugs, Langley, BC

- Used customer service skills and store knowledge to help guests with any requests
- Completed a list of regular tasks and duties in a timely manner

## Education

### **Simon Fraser University**

Sep 2015 – Present

- Bachelor of Applied Science – Major in Computing Science
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