**Technical Skills**

**Programming Languages:** Javascript, Java, Swift, HTML5/CSS, C++, VHDL, Assembly

**Web Technologies:** Node.js, Java Spring Framework, Angular 2-5, MongoDB, Elasticsearch, GraphQL, Mocha

**Concepts:** Object-Oriented Programming, Cloud, Version Control (Git), REST, MVC, Unit/Integration Testing

**Work Experience**

**RBC – Amplify (Full Stack) Software Developer Co-op** May 2018 – August 2018

*Tech Stack:* Node.js, React.js, Elasticsearch, Logstash, Kibana

- Designed a new backend infrastructure to securely access and perform analyses on large datasets, accelerating recovery times for incorrect payments.

- Awarded a provisional patent for the algorithm implemented in my error detection strategy

**RBC – Full Stack Developer Co-op**  January 2018 – April 2018

*Tech Stack*: Java Spring Framework, Zuul gateway service, Angular 5, PostgreSQL, Swift

- Worked on developing RESTful APIs and authentication mechanisms for RBC Backpack

- Optimized front to back-end database queries to improve user experience on Backpack's dynamic web pages  
- Wrote an internal iOS application to gamify RBC’s Technology and Innovation leadership model

**RBC – Backend Developer Co-op** May 2017 – December 2017

*Tech Stack*: Node.js, AngularJS, MongoDB, Elasticsearch

- Worked collaboratively on internal applications and followed agile development methodologies

- Developed features for OAuth client authorization across Development and QA environments

- Wrote a proof-of-concept application to demonstrate Elasticsearch performance on various data sets

- Managed and maintained applications in IBM’s Bluemix cloud service solution

**Engineering Outreach at the University of Waterloo – University Leader** May – August, 2015 & 2016

*Tools Used*: Arduino Uno, Adobe Photoshop, Powerpoint

- Designed, budgeted and lead 4 month long technology curriculums for upper year elementary students

- Helped foster a passion for using computers and teaching programming languages in the community

- Honed effective communication and time-management skills in team settings

**Project(s)**

**4x16 Binary Decoder, 2016 –** Portable Circuit Board

- Created a portable circuit board that can take any 4 byte digital signal and return a single byte in a 16-bit array

- Designed with Eagle CAD software with the final product shipped from China

- Intended for use with Arduino circuit boards

**Education**

**University of Western Ontario** Expected Graduation: May 2019

**Bachelor of Computer Engineering** (B.E.Sc. Computer Engineering with Internship)

**Extra-curriculars and Involvement**

**Clubs & Events**

**- Western Electronic Gaming Association, VP 2016 - 2018:** I organize events for the online game Hearthstone!

**- Sunstang, Solar Race Car 2014 - 2016:** Helped develop Arduino apps in the telemetry division

**Athletics**

**- Western University Varsity Water Polo 2016 - 1018:** My strength is speed; I setup plays from the wings

**- Annual Western Charity Terry Fox Run, 2014 – 2018:** Avid runner, love competing in charity events