**Career Summary**

* Experienced in coding with various programming languages such as Java, Python, C# and JavaScript through four years of school assignments and projects.
* Having a solid knowledge of object-oriented programming and passion in software development especially full-stack web development.
* Have taken two Co-op work terms in WSIB and OPS as Business Analyst and Software Developer respectively while studying at the University of Toronto.
* Quickly learn and master new technologies and successful working in both teams and self-directed settings.

**Technical Summary**

* Programming Languages: Python, C#, Java, C
* Web Development:
  + Front-end: JavaScript, JQuery, AngularJS, CSS, HTML, ASP.Net MVC
  + Backend: NodeJS
  + Database: Oracle, Microsoft SQL Server, MySQL, MongoDB
* Operating Systems: Linux, Unix, Windows
* Development Environment: IntelliJ IDEA, MS Visual Studio, Eclipse, Wing IDE, Android Studio
* Version Control: Git, SVN
* Data Analysis: SAS (Statistical Analysis System) certified programmer

**Education**

**University of Toronto**

**Graduated, Honours Bachelor of Science Sept 2014 – June 2018**

* Computer Science Specialist Program, Software Engineer Stream.
* Relevant courses:
  + Software Design
  + Introduction to Software Engineering
  + Software Engineering for Large Software Systems
  + Programming on the Web
  + Introduction to Databases

**Work Experience**

**Infor**

**Associated Software Engineer, Workforce Management Team                      Oct 2018 – Now**

* Built and debug Workforce Management web application in J2EE which serves fortune 500 customers.
* Performed continuous integration automation tests and wrote new test cases for the web application using Cucumber on Jenkins.
* Refactored legacy codes to support OAuth protocol and mitigate various vulnerabilities such as XSS that add reliability and credit to the application.

**Ontario Ministry of Government and Consumer Services**

**Software Developer Co-op, Business Solutions Cluster                         May 2017 – Sept 2017**

* Developed new version of Ontario consumer complaints website using ASP.NET MVC platform that integrated the Consumer Beware List and the Complaints Form together which serves millions of people across Ontario.
* Customized Microsoft Dynamics CRM by adding JavaScript and fixing bugs from HP ALM to meet government requirements such as generating reports based on consumer complaints gathered online.
* Extended functionality of Microsoft Dynamics CRM by connecting it with various C# Plug-ins in order to implement customizations for government officers.
* Wrote SQL queries to pull data from the Oracle database and compare it with the record inside CRM to check the integrity of software.

**Work Place Safety & Insurance Board**

**Business Analyst Co-op, Supplier Management                                     Dec 2015 – Apr 2016**

* Created service level expectations for processes within the Supplier Management team.
* Developed contract summaries for all Software vendors. Improved efficiency by approximately 1 hour daily $16,666 yearly.
* Consolidated supplier information from multiple sources into a single excel database to allow for efficient access to supplier information. Improve efficiency by approximately 3 hours daily ($50000 yearly).
* Supported in updating Supplier Management System (SMS) using Microsoft Access.
* Created project plans for 85 procurements using Microsoft Project and updated milestones for each of the projects.

**Relevant Projects**

* A Unix software runs in bash environment using Python that could monitor the changes of newly discovered exoplanets in NASA official database and merge the changes with astronomy professor’s exoplanets catalog in Github.
* A 2D Web game allows two players to chase each other in a map using jQuery, PeerJS, NodeJS, MongoDB and Canvas writing interfaces and focusing on building peer-to-peer communication between browsers. Using MongoDB as the database to store user’s data.
* A simulated flight-booking mobile application using Java and Android Studio which allows users to log in as client or admin, search and book flights offline in its database.

**Volunteer Experience**

**The Vision of Science Children Science Club** **December 2014 – May 2015**

Event Coordinator

**Chinese Undergraduate Association May 2016 – May 2017**

Vice President