

# Christopher Leung

UNIVERSITY OF WATERLOO COMPUTER SCIENCE · TERM 4A

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## Skills

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**OOP Languages** C++, C, Java

**Scripting Languages** Python, VBA, Shell Script

**Technology Tools** Unix, Git, Maven, Eclipse, Android Studio

## Education

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### University of Waterloo

Waterloo, Canada

BACHELORS OF COMPUTER SCIENCE WITH BUSINESS OPTION

Sept. 2013 - Present

- Expected Graduation: December 2017

### Wilfrid Laurier University

Waterloo, Canada

BACHELOR OF BUSINESS ADMINISTRATION

Sept. 2013 - Aug. 2015

- Transferred into University of Waterloo Computer Science

## Experience

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### IBM Canada, Master Data Management

Markham, Canada

SOFTWARE DEVELOPER CO-OP

Sept. 2016 - Apr. 2017

- Implemented a Slack bot using the API to post installer results onto team Slack channels.
- Designed, built, and maintained a system that automatically tests the Master Data Management installer and displays the results on a web dashboard by using Java, Shell Scripting, and web development languages.
- Created a database backup script in Bash to improve performance of the Selenium automation process. Expected to save over 5 hours of script execution time and maintenance per week for the QA team.
- Implemented a mutex-like API to handle concurrent file access requests between multiple servers. Designed a system to preempt locks based off a time quantum to account for server failures.

### The Goal Getters Associates

Toronto, Canada

ASSISTANT CONSULTANT CO-OP

Jan. 2015 - April. 2015

- Developed Excel macros to capture work hours for client billing by using VBA and Freshbooks API.
- Created using a comparison algorithm to detect inconsistency in client billing information using VBA.
- Gained insight on multidimensional databases and business intelligence solutions.

## Projects

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### HarmoMe

MAIN DEVELOPER

May. 2017 - PRESENT

- Building an app that can compose songs based off the user's musical tastes using python's Tensorflow library.
- The aim is to create a song generator that creates melodies based off a list songs that the user provides.

### Leftovers

HACKATHON PROJECT TEAM LEADER

Dec. 2016

- Built Leftovers web application at MLH Local Hack Day 2016 with HTML5, CSS, and JavaScript.
- Given a user's list of ingredients, Leftovers efficiently provides recipes from various popular websites.
- Assisted members with learning new technologies.

### Reversible Paint Application

MAIN DEVELOPER

Mar. 2016

- Created a Paint application that can replay stroke history using a real-time input capture system.
- Coded with Java (Swing) and used the MVC paradigm.