

# Christopher Leung

UNIVERSITY OF WATERLOO COMPUTER SCIENCE · TERM 4B

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*Seeking a software engineering internship for Fall 2018 (Sept. - Dec.)*

## Skills

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**Languages** Python, C++, Java, VBA, Shell Script, SQL, C

**Technology Tools** Unix, Git, Maven, Eclipse, Excel, Vim

**Libraries** Tensorflow, scikit-learn, Keras

## Education

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### University of Waterloo

*Waterloo, Canada*

#### HONOURS BACHELOR OF COMPUTER SCIENCE, BUSINESS OPTION

*Sept. 2013 - Present*

- Concentrating in Machine Learning and Artificial Intelligence
- Expected Graduation: Apr. 2019

### Wilfrid Laurier University

*Waterloo, Canada*

#### BACHELORS OF BUSINESS ADMINISTRATON

*Sept. 2013 - Aug. 2015*

- Transferred into University of Waterloo Computer Science

## Experience

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### Okta

*Toronto, Canada*

#### SOFTWARE ENGINEER INTERN

*May 2018 - Aug. 2018*

- Responsible for Machine Learning Engineering in the Adaptive Multi Factor Authentication team.
- Will work on building and researching unsupervised machine learning models for improving anomaly detection.

### IBM Canada

*Markham, Canada*

#### SOFTWARE DEVELOPER CO-OP

*Sept. 2016 - Apr. 2017*

- Implemented a Slack bot using the Slack API to post installer statistics into team Slack channels.
- Designed, built, and maintained a data pipeline that automatically tests the product installer by using Java and Shell Script.
- 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 pre-empt 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 a comparison algorithm to detect inconsistency in client billing information using VBA.

## Projects

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### HarmoMe

#### MAIN DEVELOPER

*May. 2017 - Present*

- Building an application with a neural network that can compose songs by using python, Tensorflow, and librosa.

### Leftovers

#### HACKATHON PROJECT TEAM LEADER - MLH LOCAL HACK DAY 2016

*Dec. 2016*

- Given a user's list of ingredients, Leftovers efficiently provides recipes from various popular websites.
- Assisted members with learning new technologies such as HTML5, CSS, and JavaScript.

### Reversible Paint Application

#### MAIN DEVELOPER

*Mar. 2016*

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