Christopher Leung

UNIVERSITY OF WATERLOO COMPUTER SCIENCE · TERM 4B

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

Skills

Languages	Python, C++, Java, VBA, Shell Script, SQL, C
Technology Tools	Unix, Git, Maven, Eclipse, Excel, Vim
Libraries	Tensorflow, Keras, PyTorch, scikit-learn, NumPy

Education

University of Waterloo
HONOURS BACHELOR OF COMPUTER SCIENCE, BUSINESS OPTION

Waterloo, Canada
Sept. 2013 - Present

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

Wilfrid Laurier University
BACHELORS OF BUSINESS ADMINISTRATON

Waterloo, Canada
Sept. 2013 - Aug. 2015

- Transferred into University of Waterloo Computer Science

Experience

Okta
SOFTWARE ENGINEERING INTERN

Toronto, Canada
May 2018 - Aug. 2018

- Responsible for Machine Learning Engineering in the Adaptive Multi Factor Authentication team.
- Building a feature that learns user typing habits and reports anomalistic behaviors using machine learning.

IBM Canada
SOFTWARE DEVELOPER CO-OP

Markham, Canada
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
ASSISTANT CONSULTANT CO-OP

Toronto, Canada
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

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.