

Christopher Leung

UNIVERSITY OF WATERLOO COMPUTER SCIENCE · TERM 4B

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Machine Learning Engineer · Research Engineer · Software Engineer

Skills

LANGUAGES Python, Java, C++, VBA, Shell Script, SQL, C

DATA SCIENCE Tensorflow, Keras, scikit-learn, pandas, SciPy, Matplotlib

TECHNOLOGY TOOLS Unix, Git, Maven, IntelliJ, Vim, Storm, Elasticsearch

Experience

GOOGLE

Mountain View, CA

Software Engineer Intern - Ads Integrity

Sept. 2018 - Dec. 2018

- Responsible for Machine Learning Engineering in the Search Ads Integrity team.
- Will work on creating new signals and machine learning models to improve detection of fraudulent search ads.

OKTA

Toronto, ON

Software Engineer Intern - Adaptive Auth

May 2018 - Aug. 2018

- Built and researched new unsupervised machine learning models for improving anomaly detection.
- Implemented machine learning research for experimentation and production.
- Added a tracking mechanism to collect data and integrated the feature into the existing data pipeline.

IBM CANADA

Markham, ON

Software Developer Co-op - Master Data Management

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.
- 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, ON

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.

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.

Education

UNIVERSITY OF WATERLOO

Waterloo, ON

Honours Bachelor of Computer Science, Business Option

Sept. 2013 - Present

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