

> SKILLS//

Programming	Turing, Bash, Git, C, Racket, JavaScript, HTML, C++, R, Python, Java
Spoken Languages	English, Mandarin, Cantonese
Data Analytics	Pandas, Matplotlib, SVD, PCA, ICA, PyPlot
Machine Learning	XGBoost, Gradient Boosting, CNN, RNN, LSTM, PyTorch, Keras, TensorFlow

> EXPERIENCE//

Data Analyst Student Intern May 2018 - Current
Royal Bank of Canada
88 Queen Quay West, Toronto

- Work closely with the digital team and mobile team to create an automation test suite for the RBC mobile banking app on Android/ IOS
- Check if events tags are being fired correctly onto google analytic, utilizing Python, and Google BigQuery
- develop compiler for the test framework to perform test automatically

Machine Learning Research Assistant May 2017 - July 2017
Epiphany Asset Management (HK) Limited
Central, HongKong

- Used keras, tensorflow and sklearn. Built and develop deep-learning neural-network such as LSTM, Gradient boosting regression or hybrid ARIMA
- Implemented compressed sensing and machine learning algorithm to construct daily returns of HSI from monthly data, and studied the properties of the reconstructed time series with the original one
- Perform hyper-parameter optimization on neural network using grid search and compared their performances

Computer Science Tutor September 2015 - September 2017
Waterloo, ON

- Worked with first year students enrolled in CS135 and CS136 at the University of Waterloo
- Helped prepare University of Waterloo's students for midterms, averaging a grade of 89% by creating sample questions .
- Conducted one-on-one lecture Tutoring and provide student with problem solving technique.

> PROJECTS//

QuadRis

- Used C++ and OOP. Built the retro game Tetris, featuring custom-made rules and level.
- Using a prefix trie. Completed an interpreter that allows the user to shorten or repeat sequence of command in ease.
- OOP allows easy access to add additional feature. Such as adding new pieces, command or level.

Party Web Service

June 2016 - August 2016

- Used React, Material UI, Redux, and Node.Js and built a web-based party game engine
- Focused on developing user experience
- Unique feature designed to promote physical interaction between players

> HACKATHON//

RUHacks2018

- Best Green(Money) Hack sponsor by TD bank
- Built Cocoa, a proactive budget financial app that notified you prior to making purchases at checkout
- Worked on backend server with python and flask, as well as Google's Place API

ConuHack 2018

- First Place API Challenger Winner and Hackathon Overall Third Place Winner
- Built awesome sport. An automatically soccer game highlighter using Data Analytic and Machine Learning.
- Worked on extracting data using the Astucemedia API in the backend server

YHack 2017

- Built Emotionji, a conversation analysis that is able to show the emotion between the two people at the time of speech.
- Worked on the backend server with python and Google cloud speech, IBM Watson, and Iconic Machine Learning API.

MSFTHack 2017

- Built FoodMe that Calculate food nutritional value by taking a picture of food utilizing Microsoft Azure Machine Learning

> EDUCATION//

2B - University of Waterloo
Candidate For Bachelor of Computer Science 2020

> AWARDS//

June 2016

- University of Waterloo President's Scholarship

June 2016

- University of Waterloo Faculty of Math Euclid Contest Scholarship

January 2016

- Canadian Senior Mathematics Contest Distinction (top 25%)