

EDUCATION

University of Toronto

Master of Science in Applied Computing

2018 – 2020

Select courses: Machine Learning & Data Mining, Neural Networks & Deep Learning, Blockchain Engineering, Bioinformatics, Human-Computer Interaction

Current GPA: 4.0/4.0

Royal Military College of Canada (RMCC)

B.Eng. in Computer Engineering

2015 – 2018

Thesis: Graduate Attribute Management System. The design and development of a web based application to facilitate the evaluation process of the graduate attributes as required by the Engineers Canada Accreditation Board.

Royal Military College of Saint-Jean (RMCSJ)

Diploma of College Studies in Natural Science

2013 – 2015

Thesis: Polymerization and characterization of a functional conductive polymer. Awarded 1st prize of the cohort.

LEADERSHIP ROLES

Deputy Cadet Division Leader

Sep. 2017 – Jan. 2018

Responsible for managing and leading a division of 289 persons at RMCC over the course of one semester, reporting directly to the Division Leader.

Officer Qualifications

2014, 2016

Successfully completed my Basic Military Officer Qualification by demonstrating strong leadership and problem solving capabilities in a high pressure environment.

Successfully completed my Naval Environmental Training Program at the Naval Officer Training Centre in Victoria.

Deputy Cadet Squadron Leader

Sep. 2015 – Jan. 2016

Responsible for managing and leading a squadron of 70 persons at RMCSJ over the course of a semester, reporting directly to the Squadron Leader.

WORK EXPERIENCE

Junior Software Dev | **Crypto4A Technologies**

Ottawa, Canada – Summer 2018

Worked on various projects. Notably, developed an Entropy as a Service (EaaS) protocol designed to be used by devices with heavy resource restrictions, such as Internet of Things (IoT) devices.

Intern | **National Defence Headquarters**

Ottawa, Canada – Summer 2015, 2017

Worked on the automation of administrative processes within the division and the modelling of the fleet schedule within the SAP system.

Managed the renewal and the migration of the division's Intranet. Assured the liaison between the division, Public Work Canada and Service Canada.

LANGUAGES & SOFTWARE

Bilingual, fluent in both English and French

Proficient in Python, Java, C.

Conversational in C++, Matlab, R, JavaScript, HTML, CSS, SQL, VHDL, Assembly, and Bash.

Libraries: Tensorflow, Keras, Numpy, Scikit-learn, Django

SELECT PROJECTS

LSTM-Attention

Compares LSTMs and attention mechanisms for financial time series forecasting.

QuestradeAPI

Allows developers to build trading and analytical Python applications interfacing with their Questrade brokerage account.

VGPGA

Space Invader like game fully implemented in hardware by developing a VGA driving circuit loaded on a FPGA.

INTERESTS

Learning, Exploring, Connecting, Sustainability & Stoicism Philosophy