

EDUCATION



**B.S. in Computer Science & Math
French Minor**

2019 / McGill University

SKILLS



- **Python** ■ ■ ■ ■
- **C / C++** ■ ■ ■ □
- **Java** ■ ■ □ □
- **SQL - Postgres** ■ ■ □ □

Familiar with:

Django, Flask, REST / RESTful API
AWS - EC2, Nginx, SSL
PyCharm, Linux, Git, JIRA

Misc:

DevOps
Machine Learning,
Natural Language Processing,
Distributed System Design (Big Data)

PROJECTS



CryptoBot

2019 / Personal (4 Months)

- Fully automated cryptocurrency trader using **reinforcement learning**
- Features extracted from live ticker data
- Capable of breaking in the current bearish market

Pandas • Keras • MySQL • BinanceAPI

LaVision

2019 / Hack the Valley 3 (Hackathon)

- Delivers an accurate estimate of the number of people in a recreational park in realtime on a user friendly website built for **large scale deployment**

• My role: Connected webcam to a **Qualcomm 410c Dragonboard** with a computer vision model for human detection then sent results to Firebase server

Tensorflow • OpenCV • Docker • Flask

Can Twitter Predict Bitcoin?

2018 / Research Project (3 Months)

- Collected live social media text data and investigated correlation with cryptocurrency price swings
- Analyzed effectiveness of **recurrent neural networks** versus classic machine learning classifiers

Keras • Numpy • Sklearn • Matplotlib

See full showcase at [VicVer.com/projects](https://vicver.com/projects)

VICTOR ELMIR VERCHKOVSKI

SOFTWARE DEVELOPER

☎ +1 (514) 550 5412 ✉ victor.verchkovski@gmail.com 🌐 <https://www.verchkovski.com>
🏠 Toronto, Ontario 🐙 <https://github.com/VicVer09> 🌐 <https://linkedin.com/in/VicVer09>

WORK EXPERIENCE



2018-2019

SOFTWARE DEVELOPER

R-Tools Technology

- **Automated** web directory database administration by **97%** by creating a **Python API** to detect low quality content and word spinning, generate keywords, and modify site descriptions
- Documented **C++** data recovery source code
- Assisted with general management tasks. Ex: took part in negotiations for a 6 figure deal with a major government organization

2015-2017 (Part-time)

WEB ADMINISTRATOR

R-Tools Technology

- Solely responsible for maintaining and administering web directory database: <http://directory.r-tt.com/>
- Technical support, proofreading, bug reports

2014 (8 Months)

SOFTWARE INTERN

Mannarino Software and Systems

- Verified software for fuel quantity indicating system on Boeing in-air refuel tanker adhering to RTCA DO-178B/C standards
- Coded **Python** and debugged embedded **C**
- Performed final dry-run for Bootloader Software Program

VOLUNTEER EXPERIENCE



2019 (3 months)

IT Specialist / Course Manager

Ontario Vipassana Meditation Centre

- Reduced fire hazard by creating an oven hood monitor which detects fluctuations in temperature and sends an alarm if fan is not on using **Python** on a **Raspberry Pi**
- Remotely redesigning the campus gong ringing system to also use a Pi
- As **Course Manager**, directly took care of all day-to-day operations of meditation courses and assisted students with their needs