

# Wasim Boughattas

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## WORK EXPERIENCE

### Deloitte Canada

May 2022 – Aug. 2022

*Omnia AI: Data Engineer - Co-op/Intern*

Montreal, QC

- Implemented business intelligence solutions and advanced analytics to identify opportunities to meet business goals.
- Automated ETL processes and ingested data from different data sources: SQL and multiple APIs using Python.

### Deloitte Canada

Jan. 2021 – Apr. 2021

*Omnia AI: Data Engineer - Co-op/Intern*

Montreal, QC

- Built an in-house scalable database capable of ETL processes using HiveQL and Spark.
- Presented and communicated actionable insights in a way tailored to specific audience and client's needs using PowerBI.
- Translated client's propositions into quantitative queries and collected/cleaned the necessary data using Pandas.

### Vanier College

Sep. 2018 – Dec. 2018

*Science/Math Tutor & Nominations and Elections officer*

Montreal, QC

- Tutored peers in math and science and guided them to find better study methodologies.
- Implemented electoral procedures, established electoral lists, and organized elections.

### Concordia University & McGill University

2018 – 2019

*Laboratory Research Assistant*

Montreal, QC

- Participated in two graduate projects: Convex Lens Induced Confinement Microscopy and Eco-Evo-Devo, respectively.
- Worked with sensitive instruments alongside post-graduate students under the supervisions of Dr. Valter Zazubovits and Dr. Ehab Abouheif, respectively.

## EDUCATION

### Concordia University

2019 - Expected 2022

*BSc, Specialization in Actuarial Mathematics (co-op) & Minor, Computer Science*

Montreal, QC

- Member of the Golden Key Society
- Irshad Family Scholarship (Entrance Bursary in Actuarial Mathematics)
- Dean's Roll for 3.75+ GPA (2020)

## PROJECTS

### Stock Trading Robot

A software that extracts real-time and historical data from trading exchanges, tweets, articles, journals, and live broadcasts using public REST/WebSocket APIs and stores them in locally hosted time series NoSQL database: InfluxDB. (Private) Automates intraday trading decisions using technical analysis and predictive models like ARIMA, LSTM, TF-IDF, HMM, which are implemented using Keras, scikit-Learn, TensorFlow, and NLTK. (Soon) Handle high-frequency trading using Spark

### UCI CIFAR Various Analyses

Deployed several machine learning models (SVC, Naïve Bayes, KMeans, CNN, Decision Trees/Forests) using GridSearch, RandomSearch, and custom-made Search on multiple datasets from UCI and CIFAR using Scikit-Learn and PyTorch.

### COVID-19 SQL Vaccination System

A SQL database system & PHP web interface that keep track of, monitor, and control the population's vaccination status against the COVID-19 pandemic.

### University Chatbot

A retrieval/generative closed domain chatbot developed using Python to respond to questions by running SPARQL queries against locally hosted RDF database (>300K triples automatically generated from lecture notes and students relational DB).

## SKILLS & INTERESTS

**Technical Skills:** Python (Scikit-Learn, PyTorch, Keras), SQL (MySQL, HiveQL, SPARQL), R, Flux, Java

**Software Skills:** Spark, Docker, InfluxDB, PowerBI, Git, Linux (Debian-based)

**Interests:** Soccer, Bodybuilding, Reading