

EDUCATION

University of Montreal – Higher Commercial Studies, Montreal, Canada Masters of Science with Thesis, Finance, CGPA: 3.77/4.3 Dissertation: “Robust inference in linear asset pricing tests” <i>Under the supervision of Vincent Grégoire and Anthony Sanford</i>	2021-2023
McGill University – Desautels Faculty of Management, Montreal, Canada <i>Bachelor of Commerce, Finance, CGPA: 3.60/4.00</i>	2017-2020

WORK EXPERIENCE

University of Quebec in Montreal – Chair in Macroeconomics and Forecasting, Montreal, Canada <i>Intern Research Assistant, Machine Learning and Macroeconomic Forecasting</i> <i>Under the supervision of Philippe Goulet-Coulombe & Dalibor Stevanovic</i> <ul style="list-style-type: none">• Participate in the implementation of macroeconomic forecasting tools using standard and non-standard machine learning methods in Python and R such as neural networks, random forests and others.• Contribute to the process of publishing and reviewing academic articles in artificial intelligence produced by the Chair.• Exploit libraries such as Tensorflow, Keras, Pytorch and GluonTS for the creation of Deep Learning algorithms.• Integrate multi-frequency data (MIDAS) into model estimation.• Explore the literature relevant to the intersection between macroeconomic forecasting and artificial intelligence for a variety of applications.	2023-Present
University of Montreal – Higher Commercial Studies, Montreal, Canada <i>Research Assistant, Derivatives Products</i> <i>Under the supervision of Christian Dorion</i> <ul style="list-style-type: none">• Assist in the programming in Python of a risk assessment tool for complex and exotic derivatives using the Black-Scholes, Heston and other models.• Ensure the proper functioning of the tool by having a developer perspective in the creation of test suites.	2023-Present
University of Montreal – Higher Commercial Studies, Montreal, Canada <i>Research Assistant, Sustainable Finance</i> <i>Under the supervision of Iwan Meier</i> <ul style="list-style-type: none">• Process and clean financial data from CRSP, Compustat as well as ESG databases.• Replicate the conclusions of an event study on the impact of ESG news on returns.	2023-Present
University of Montreal – Higher Commercial Studies, Montreal, Canada <i>Teaching Assistant, Financial Econometrics (MATH 60210) and Empirical Finance (MATH 60207)</i> <i>Under the supervision of Simon Van-Norden, Vincent Grégoire and Anthony Sanford</i> <ul style="list-style-type: none">• Develop and teach practical work sessions on the computational application of econometric and statistical methods in finance.• Assist in the creation of graded homeworks and final exams.• Assist the professor by answering student questions about the course.• Stay abreast of developments in statistics applied to finance, financial econometrics, data analysis and programming.	2022-Present
NBI-HEC Montreal Fund – Higher Commercial Studies, Montreal, Canada <i>Analyst, Research and Development</i> <ul style="list-style-type: none">• Supervise a project on the econometric simulation of asset prices for the improvement of risk measures and the robustness of backtests.• Assist investment teams with their fundamental research process and the computational implementation of their strategies.	2023-Present

University of Montreal – Higher Commercial Studies, Montreal, Canada
Research Assistant, Asset Pricing and Statistical Methods in Empirical Finance
Under the supervision of Vincent Grégoire

2022-2023

- Create a backtesting tool to replicate and supplement asset pricing research, specifically pertaining to factor models and market anomalies.
- Exploit and standardize CRSP academic databases to facilitate their use through Open Source tools.
- Synthesize and add to current course notes in statistics and empirical methods in order to write an Open Source book available to all.
- Review and modify the course, more particularly on the replication of stock market anomalies and machine learning.

National Bank of Canada, Montreal, Canada
Back-Office Analyst

June 2021-April 2022

- Clearing transactions related to dividend payments.
- Engaging with counterparties to solve discrepancies in the books.
- Balancing accounts
- Evaluating the efficiency of processes and suggesting alternatives.

National Bank of Canada, Montreal, Canada
Financial advisor, incoming calls

November 2020-June 2021

- Advising clients regarding their investments and personal finances
- Synthesizing information during discussions to bring innovative, personalized solutions using products and services offered by National Bank
- Following rigorously procedures, conformity measures and using computer systems adequately
- Assisting clients in their difficulties, problems and anxieties of every sort
- Following financial markets actively

LEADERSHIP AND EXTRACURRICULAR

College Montmorency, Laval, Canada
Former Student Mentor

2021-Present

- Support students aiming for the field of finance in their questions about their future career.
- Prepare and give conferences and workshops on the field of finance.

Schwartz & Reisman Scholar, Montreal & Israel

Summer 2019

- Participated in a 3 weeks study trip comparing the Israeli and Canadian Fintech startup ecosystem
- Awarded “Most Innovative Problem Definition” and “Best Presentation” during Hackathon.

SKILLS AND INTERESTS

Computer: Python (Advanced), Tensorflow, Pytorch, Keras, R (Advanced), Matlab, Stata, SQL, Excel, Bloomberg Terminal, Interactive Brokers

Languages: French, English, beginner Spanish

Accreditations and Awards: UQAM Chair in Macroeconomics & Forecasting bursary (8500\$), SSHRC Scholarship (\$17,500), HEC Entrance Scholarship (\$4,000), CFA Level 1 completed, CSC (Canadian Securities Course), FIC (Investment Funds in Canada)

Interests: Martial Arts, Music