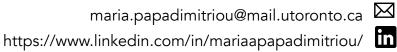
Maria Papadimitriou

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EDUCATION

BASc - Industrial **Engineering** University of Toronto, 2021 with a minor in Business

SKILLS

- GitHub
- MS Office 365
- MS Access and MS SQL Server
- Jupyter Notebooks / Google Colaboratory
- Django open-source web framework

Programming Languages

- Java
- SOI
- Python (incl. PyTorch, NumPy, SciPy, Matplotlib, pandas, scikit-learn)
- R, MATLAB, Minitab
- HTML, CSS, Javascript
- Visual Basic for Applications (VBA)

AWARDS & ACHEIVEMENTS

- Ontario's Principal Award for Student Leadership, 2017
- Dean's Honour List, 2020

INTERESTS

- Soccer UofT TriCampus Development League, Fall 2018 Champions
- Travel
- Fitness / Weight Lifting

PROFESSIONAL EXPERIENCE

Scotiabank, Sales & Trading Intern Analyst

May 2020 — Apr 2021

Fixed Income Derivative Solutions

May — Aug 2020

- Developed a full stack web application to track daily changes in credit spreads from various sub-sovereign issuers relative to the Canadian Government yield curve, and the composition of the FTSE Russell Canadian Universe Bond Index
- Built an MS SQL Server database to store historical data used to visualize trends and further assist with marketing practices
- Developed and automated reports using Bloomberg to assist with issuance recommendations from sales by outlining key sessional dates and market updates

Prime Services

- Created detailed spreadsheets and conducted quantitative analysis to identify trends and develop forecasts on client short market value positions, profits, and ROI
- Responsible for reviewing and instructing option invoice payments to key executional brokers, and acted as the main point of contact for resolving issues
- Assisted with the development of presentation decks by aggregating and reporting data related to the weekly funding requirements of the business line

Jan — Apr 2021 XVA Trading

- Booked and blottered daily trades and hedges as required by the team to aggregate and calculate resulting profit over the day
- Built and maintained a process to web scrape online data sources for collateral requirements and pricing purposes, reducing report generation time by 50%
- Automated the calculation of beta hedge ratios for various single name credit default swaps against the CDX IG index using Python, improving report generation time by 25%

PROJECTS & COMPETITIONS

NBA Playoff Result Prediction, Data Analytics Project in Python

- Utilized logistic regression from the scikit-learn Python library to predict the outcome of a matchup of two teams in the playoffs by training the model on regular season data, achieving an overall model accuracy of 65%
- Built a Monte Carlo simulation to replicate the behaviour of one thousand playoff series in a given year, where the frequencies of resulting winners were compared against actual victors

UofT Engineering Finance Association (UTEFA)

Mar 2019

Nov 2019

Stock Pitch Competition — 3rd Place

- Created and presented a stock pitch to a panel of six industry judges (including investment bankers from Barclay's, BMO Capital Markets, and NBC Financial Markets, and traders from CIBC Capital Markets) in a team with three other students
- Recommended a long position in Disney stock (NYSE: DIS) at ~\$108.23/share with a \$126 target price based on the belief that Disney's recent acquisition of Fox was more accretive than the current market sentiment