Matthieu Lépicier

+33 789-603-828 | mlepicier.msc2022@ivey.ca | linkedin.com/in/mlepicier | Toronto, ON, Canada

Education

Ivey Business School, Western University — London, ON, Canada
Candidate for Master of Science in Management (MSc), Business Analytics - GPA: 3.9/4.0 — *2021 – 2022*

University of Technology of Troyes — Troyes, France
Master of Engineering in Industrial Engineering (MEng), Operations Research — *2016 – 2021*

University of Miami — Miami, FL, USA
Academic exchange - GPA: 4.0/4.0 — *2019*

Experience

SAS Institute Inc. — May 2022 – Aug. 2022
Data Scientist — *Toronto, ON, Canada*

- Utilized SAS open-source saspy and swat APIs to integrate Python, R, and SAS Jupyter notebooks to deploy Cortex analytics simulation platform within SAS Viya 4.0 and SAS Cloud Analytic Services' distributed computing environment
- Implemented multiples data pipelines and machine learning models to assess, in partnership with HEC Montreal's ERPSim Lab Professors, quality of various candidate business use cases for the Cortex analytics simulation platform

Danone — Feb. 2021 – Jul. 2021
Data Analyst Worldwide — *Paris, France*

- Created a tailor-made algorithm using Python and Selenium to web-scrap unstructured geographic data about plants location and HR data about employees workplace's profile to clean and store it in CSV files for business purposes
- Communicated with Mexican and German teams to frame requirements in order to create a suitable data model in DAX to provide an end-to-end data analysis solution to develop the Total Cost To Serve on Power BI
- Prepared and synchronized data from different countries for international projects to increase consultants' time efficiency: Co-Logistics, Network Studies, Digital Twin, and Smart Warehouse Program
- Supported preparation of an annual meeting between Danone and Carrefour heads of Supply Chain in France, Italy, Belgium, and Spain by collecting data from local teams and analyzing it to feed the presentation

Mars Inc. — Jan. 2020 – Jul. 2020
Operations Research Analyst — *Orléans, France*

- Modeled a bin packing problem and coded optimization heuristics on AMPL to process shipment data to measure, in collaboration with XPO Logistics, room for truck-load improvement: up to 2.5 pallet gain identified
- Developed a fully-automated modified exponential moving average model using VBA to forecast upcoming workload daily by analyzing sales data and SAP transactions to smoothen operations: achieved 94% of accuracy
- Automated data queries through M language on a TMS database to merge ad-hoc reports into one centralized Power BI Dashboard to enhance transportation analytics by providing scorecards and standardized KPIs

Achievements and Interests

Ivey Hack the Case - Deloitte, SAS, and Scotiabank | *SAS Studio* — Apr. 2022

- Leveraged SAS and SQL queries to consolidate and prepare data for further analysis; calculated new metrics and identified high-quality customers using k-means clustering to apply effective acquisition and cross-sell marketing strategies

Natural Language Processing on Google Reviews | *Python* — Jan. 2022 – Apr. 2022

- Scrapped 35,000 ratings and text reviews from 60 restaurants in China Town Toronto; vectorized data into a bi-grams bag-of-word after casing, stemming, and stop words removing steps to train different machine learning models

Hybrid Genetic Algorithm Hyperparameter Tuning | *Visual Basic* — Sep. 2020 – Jan. 2021

- Combined evolutionary algorithm and split to solve efficiently vehicle routing problem on Solomon's large instances of data; incorporated 2-opt local search algorithm to solve travelling salesman problem with soft time windows

K-Link Clustering Algorithm | *Python* — Sep. 2020 – Jan. 2021

- Implemented a meta-heuristic and performed local search moves to optimize allocation of 60 product category among a set of 10 warehouses; resulted in minimized splitting of 22,000 e-commerce orders and logistics cost reduction

Languages: English : Fluent | French : Native | Spanish : Intermediate

Technical Skills

Programming: Python, R, SAS, SQL, VBA, DAX, OPL, AMPL
Software: Excel, Jupyter, Cplex, Gusek, MatLab, Power BI, Tableau, Power Query