

Matthieu Lepicier

+33 789-603-828 | mlepicier.msc2022@ivey.ca | mlepicier.github.io | Toronto, ON, Canada

EDUCATION

| | |
|---|-----------------------------------|
| Ivey Business School, Western University Candidate for Master of Science in Management (MSc), Business Analytics - GPA: 3.9/4.0 | London, ON, Canada 2021 – 2023 |
| University of Technology of Troyes University of Miami Master of Engineering in Operations Research (MEng) | Troyes, France 2016 – 2021 |

EXPERIENCE

| | |
|--|---|
| SAS Institute Inc. <i>Data Scientist</i> | May 2022 – Aug. 2022 Toronto, ON, Canada |
| <ul style="list-style-type: none">Addressed a growing demand for a coding version of Cortex analytics simulation, using SAS's open-source APIs to integrate Python, R, and SAS Jupyter notebooks within SAS's distributed server environment - used worldwide as a case-based machine learning and cloud computing teaching platform within universities and companies' data science departmentsImplemented multiples data pipelines and machine learning predictive 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 <i>Data Analyst Worldwide</i> | Feb. 2021 – Jul. 2021 Paris, France |
| <ul style="list-style-type: none">Created a tailor-made algorithm using Python and Selenium to web-scrape unstructured geographic data about plants location and HR data about employees workplace's profile to clean and store it in CSV files for business purposesCommunicated 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 BIPrepared and synchronized data from different countries for international projects to increase consultants' time efficiency: Co-Logistics, Network Studies, Digital Twin, and Smart Warehouse ProgramSupported 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. <i>Operations Research Analyst</i> | Jan. 2020 – Jul. 2020 Orleans, France |
| <ul style="list-style-type: none">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 identifiedDeveloped 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 accuracyAutomated 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 | Apr. 2022 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">Performed unsupervised learning using a meta-heuristic and 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, Git, MatLab, Power BI, Tableau, Power Query