

# Matthew Lepicier

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## EDUCATION

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**Ivey Business School, Western University**

*M.Sc. in Management and Business Analytics*

London, ON, Canada

2021 – 2023

**University of Technology of Troyes | University of Miami**

*M.Eng. in Computer Science and Operations Research*

Troyes, France | Miami, FL, USA

2016 – 2021

## EXPERIENCE

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**Data SEA Consulting Inc.**

*Senior Consultant*

Toronto, ON, Canada

Jan. 2025 – Present

- Manage a small team of engineers using sprint planning and Scrum methodologies in Jira across all software project phases to ensure product deployment aligns with business requirements and strategic goals
- Advise senior client executives on solutions architecture and advanced technology strategies, creating bespoke design proposals and delivering key recommendations to establish best practices and build scalable infrastructures
- Lead the onboarding program for our data-centric platforms by developing comprehensive technical documentation and training materials, while conducting client office hours to foster continuous learning and ensure successful migrations

*Consultant*

Mar. 2023 – Dec. 2024

- Engineered end-to-end data products from custom API clients and ingestion connectors to the architecture of streaming ETL pipelines within the Databricks, embedding industry-leading DataOps standards
- Established robust MLOps frameworks to streamline continuous training workflows and optimize the deployment of machine learning applications served via production-grade API endpoints, ensuring continuous monitoring of deployed models
- Designed CI/CD pipelines and DevOps strategies to automate operations, enhance team agility, and accelerate software delivery cycles while ensuring compliance with data governance protocols
- Harnessed the power of our analytics solutions to help our clients solve complex problems and drive business outcomes by promoting self-service data marts, automating reporting and operational processes, and delivering ad-hoc analyses

**ProFolio Investment Management Inc.**

*Financial Engineer*

Edmonton, ON, Canada

Dec. 2022 – Feb. 2023

- Conceptualized an optimization algorithm minimizing the mean-absolute semi-deviation of Fama-French inputs to build stock portfolios with maximum Sharpe ratio satisfying a given risk profile, set of industry preferences, and required rate of return

**SAS Institute Inc.**

*Data Scientist*

Toronto, ON, Canada

May 2022 – Aug. 2022

- Used SAS APIs to integrate Python and SAS materials in Viya's distributed environment to release *Cortex coding*, a case-based machine learning teaching platform used worldwide within universities and companies' data science departments
- Implemented multiples predictive machine learning pipelines in partnership with HEC Montreal's ERPSim Lab Professors to assess the quality of various candidate business use cases for the Cortex analytics simulation platform

**Danone S.A.**

*Data Analyst*

Paris, France

Feb. 2021 – Jul. 2021

- Collaborated with the Mexican and German teams to build a proof-of-concept for a digital-twin by creating a suitable data model using SQL and DAX to provide an end-to-end data analytics solution on Power BI and Azure
- Created a tailor-made web-scraping algorithm using Python and Selenium to retrieve unstructured geographic data about plant location and HR data about employees' workplace profiles to ingest it in JSON collections for business purposes

**Mars Inc.**

*Operations Research Analyst*

Orleans, France

Jan. 2020 – Jul. 2020

- Developed a fully-automated modified exponential moving average model using visual basic to forecast upcoming workload daily by analyzing sales data and SAP transactions to smoothen operations: achieved 94% of accuracy
- Modeled a bin packing problem and coded optimization heuristics on AMPL to process shipment data and highlight potential opportunity for truck-load improvement: up to 2.5 pallet gain identified

## SPECIALIZED SKILLS

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**Programming Languages:** Python, PySpark, SQL, Spark SQL, Bash Scripting, R, SAS, VBA, AMPL, JavaScript

**Development Tools:** Git, Databricks, Jira, Jenkins, SAS Viya, Docker, Visual Studio Code, Cplex, Dataiku, MatLab

**Frameworks:** Apache Kafka, MLflow, DLT, DBT, Terraform, Spark ML, Scikit-learn, TensorFlow, Kubernetes, Selenium, Django

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