

Matthew Lepicier

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EDUCATION

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

Data SEA Consulting Inc.

Senior Consultant

Toronto, ON, Canada

Jan. 2025 – Present

- Manage a small pod of engineers employing sprint planning and Scrum methodologies within Jira through the development, UAT, and Hypercare phases to align software deployment with business requirements and strategic goals
- Advise senior executives on solutions architecture and advanced technology strategies, creating bespoke design proposals and delivering key recommendations to establish best practices and build scalable infrastructures
- Direct the onboarding program to our data-centric platforms, crafting comprehensive technical documentation and training materials, while leading office hours to promote a continuous learning environment and ensure successful migration efforts

Consultant

Mar. 2023 – Dec. 2024

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

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

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, Spark ML, Terraform, Scikit-learn, Kubernetes, TensorFlow, Selenium, Django

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