

DATA SCIENTIST • DATA ANALYST*Creative, good communicator, and flexible team worker.***SKILLS PROFILE****Data Mining, Machine Learning (+10 years)**

- Machine Learning/Deep Learning/Solution Architecture (MLOPs),
- Statistical methods: regression models, neural networks, NLP, etc.,
- Selected courses: stochastic processes and simulation, matrix theory, probability and statistics.

Programming (7 years)

- R, Python, Django : **Advanced.**

PROFESSIONAL EXPERIENCE**1)- Lead Data Scientist****05/2022 - Present***Datacenterhitec (Montreal, Canada)*

- Responsible for analytical vision,
- In-depth data analysis in various domains (energy, health, etc.),
- Development of solutions with Python and Django (software, APIs, etc.).

Tools: AWS, Python (Pandas, Tensorflow/Pytorch : Transformer, Plotly, etc.) , Django, Django Rest Framework.**2)- Data Scientist****09/2019 - 04/2022***Hiloenergie (by Hydro-Québec)*

- Implementation of Artificial Intelligence solution architecture (MLOPs),
- Building energy consumption models for smart houses,
- Building models related to heating fault detection, load disaggregation,
- Creation of customer segmentation models.

Tools: Microsoft Azure (Cosmos DB, Databricks, etc.), Python (Pandas, Pyspark, Tensorflow/Pytorch, Plotly, etc.).**3) Senior Data Scientist****04/2018 – 07/2019***SSENSE (Montréal, Canada)*

- Building Artificial Intelligence solution architecture and pipeline,
- Building models for affiliate segmentation,
- Building models for customer lifetime value (CLV),
- Building an econometric model to predict revenue.

Tools: Google Cloud Platform, R, Python (Scikit-Learn, Pandas, Matplotlib, Numpy, Scipy, Tensorflow/Pytorch).**4) Data Scientist****06/2017 – 04/2018***Syntell Inc (Québec, Canada) / iA Groupe Financier– Mandat (Québec, Canada)*

- Identification of opportunities and implementation of 360 customer vision,
- Implementation of BI solution,
- Development of solution architecture, data analysis and profiling.

Tools: Microsoft Azure, R, Python (Scikit-Learn, Pandas, PySpark, Tensorflow), Hadoop.**5) Data Scientist****02/2016 – 01/2017***National Institute of Agronomic Research (Rennes, France)***Data Architect: Development of databases and administration**

- Development of databases, their implementation, and maintenance,
- Data acquisition and archiving.

Data Science: Machine Learning/Deep Learning

- Data Extraction and selection / Pre-processing and formatting for analysis,
- Design and building machine learning models, deployment to production.

Tools: R, Python (Scikit-Learn, Pandas, Tensorflow), Spark, MySQL, PHP, SQL/PL-SQL.

LANGUAGES**French:** native level**English:** intermediate level**EDUCATION****AEC in Computer Science (Application Development)****2014 – 2015***Institut Teccart (Montreal, Canada)***Diploma of Specialized Graduate Studies (DESS) in Bioinformatics****2013 – 2014***UQAM (Montreal, Canada)***Master's degree in Statistics and Modeling****2006 – 2007***University Paul Sabatier (Toulouse, France)***PhD in Computational Genetics****2003 – 2006***University Montpellier-2 (Montpellier – France)*