

Vincent Commere-Ribourg

AI ENGINEER

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📍 Montréal, Canada

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Profile

Innovative and committed Machine Learning Engineer Specialist with a business and client-oriented vision. I thrive in challenging situations and excel at problem solving, solution design, development and implementation.

Employment History

AI Engineer, LatenceTech, Montréal

May 2022 — January 2023

As part of my end-of-studies internship, I worked on setting up the LatencTech AI stack by working from research to production.

Achievements :

- Research and experimentation on :
 - Time Series **Anomalies detection**
 - Time Series **Forecasting**
- Design and Implementation of the **MLops** stack :
 - Private Pypi Server
 - **Miflow** (Tracking, Registry and Serving)
 - Product Integration (Inference and Training Pipelines)
- Experimentation process optimization :
 - Framework Development using **PyTorch** in order to experiment faster and get production ready code easily.

Founder, SetupAI, Paris, Lyon

January 2020 — January 2022

I launched my own services company, where I focused on developing ETL solutions and data analytics services. We helped management consulting companies to provide customer-made business databases and analytical services to their clients. Our mission was to provide all the setup to companies' teams for data valorization.

Achievements :

- Development of **Rshiny** applications using **Docker** to visualize strategic key indicators previously identified with the client.
- Development of fully-tested **Python** libraries to accelerate data pipelines development and improve the client's solutions delivery delays.
- Design and development of a data-mart using **Python**, **Airflow**, **PostgreSQL** and **Docker** that clean, merge and compute data sources and KPIs automatically, to yield the best results.

Data Scientist / Data Engineer, PWC, Paris

September 2017 — January 2020

During my experience at PWC, I worked in several roles as a data analyst, data engineer and a machine learning engineer. I took part in several projects for the energy field and for internal purposes.

Achievements :

- Design and development of a monitoring system to eliminate database errors due to migration issues which were resulting in multi-million euro billing losses. Done using **Python, Alteryx Designer**.
- Development of an energy production anomalies visualization application with **Rshiny** and **Docker**.
- Machine learning algorithms development for the detection of energy production anomalies using **R**.
- Development of supply chain applications for the PWC showroom platform using **Rshiny, Python Flask** framework and **Docker**.
- **Rshiny** applications development in order to simulate and visualize stock projections, financial performances, and the advancement of the Electrical smart meters installation project.
- Machine learning models development for electrical smart meters installation prediction using **R** and **Keras**.
- VBA applications development for supply chain KPIs' visualization and computation.

Data Analyst / Web Developer, IBM, Paris

September 2014 — September 2017

My first working experience started as a web developer for a client of the fashion luxury industry. Eventually, I was transferred to the IBM data analyst team.

Achievements :

- Development and maintenance of data workflows for the calculus of price elasticity and **ETL** tasks for clients using Python and **SPSS Modeler**.
- Web applications development allowing clients to upload Infor M3 ERP customization in production and development servers simultaneously using **CSS3, HTML5, PHP** and **PowerShell**.

Education

Master in Artificial Intelligence, MILA - Quebec AI Institute and University of Montreal, Montreal

September 2020 — January 2023

- COMP-579 : Reinforcement Learning (Pytorch)
- IFT 6135 : Deep Representation Learning (Pytorch)
- IFT 6390 : Machine Learning Theory (Scikit-Learn)
- IFT 6758 : Data Sciences (Pandas, Matplotlib, Scikit-Learn, Pytorch)
- IFT 6759 : Advanced Project - Speech Emotion Recognition (Pytorch)
- IFT 6056 : Blockchain and its Business applications (Solidity, ERC 20)

Master in Computer Science, ESIEA, Paris

September 2014 — September 2017

University Graduate in Electronics, University of Nantes, Nantes

September 2012 — September 2014

Links

[Linkedin](#) [GitHub](#)

Skills

Python (Pytorch, Sklearn, Flask)

SQL

Alteryx

Git

Deep Learning

Web (HTML & CSS & PHP)

Entrepreneurship

R (Rshiny)

Airflow

Docker

Reinforcement Learning

Machine Learning

Consulting

Business Development

Side Projects

Participation in the SpeechBrain library, Montreal

[January 2021](#) — [June 2021](#)

Took part in the Speech Emotion Recognition Implementation using CRDNN neural network architecture in Pytorch (<https://speechbrain.github.io/>)

Retail items images classification using CNN neural network, Paris

[June 2019](#)

Kaggle competition

Market volatility prediction using LSTM neural network, Paris

[February 2018](#)

Kaggle competition

Construction of a quadcopter, Nantes

[April 2014](#)

Languages

French



English



Hobbies

Cycling, Boxing, HIIT Workout.

References

References available upon request