Vincent Commere-Ribourg

AI ENGINEER

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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
    - **Mlflow** (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)	R (Rshiny)
SQL	Airflow
Alteryx	Docker
Git	Reinforcment Learning
Deep Learning	Machine Learning

Web (HTML & CSS & PHP)

Consulting

Entrepreneurship

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