Benjamin-Ousmane M'Bengue

Software Engineer & Data Scientist

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⌨ https://github.com/Benjamin-Ousmane

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Skills

💻 Programming

Python, Typescript, Javascript, Html, Css, SQL

📱 App development

Streamlit, React, Angular, Firebase

👾 AI & Data science

Pandas, Scikit-learn, TensorFlow, Hugging Face

📊 Data visualization

D3, Altair, Matplotlib

Education

January 2018 - May 2023

🏆 Polytechnique Montreal (Canada, QC)

Bachelor's Degree in Software Engineering (*data science and artificial intelligence*)

September 2014 - July 2017

🏆 Lycée Joseph-Marie Carriat (France, 01)

Diploma of the General Scientific Baccalaureate

Sports Experience

🥋 Grappling

Tristar Gym Montreal

⚽ Football

5 years at Football Bourg-en-Bresse Péronnas 01

🧑‍⚖️ Football referee

CEPSUM leagues

📚 Personal documentation

Podcasts (Peter Attia, Andrew Huberman, Mark Bell, Micheal Gundill), methods (ATG for coaches, Weck method), books, scientific papers, etc.

Summary

✔️ Skills in application development (streamlit, react, angular)

✔️ Good understanding of data science principles and machine learning models (NLP, data mining, time series forecasting)

✔️ Knowledge of the software development process and group management (agile methods, git)

✔️ Strong interest in research and data analysis, particularly in the field of sport and athletic performance

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Work History

September 2021 - December 2021

🚧 Junior Data Scientist | Goldspot Discoveries

► Development of visualization tools for drilling data sets (mineral resource estimation)

► Development of a web application allowing the analysis of satellite images using spectral band ratios (remote sensing)

Projects

🏆 Final project in artificial intelligence

Prediction of the lifetime of a sensor

► **Preprocessing** : denoise signal, remove singular values, detect clusters

► **Modeling** : test and compare different machine learning models for time series forcasting (RNN, LSTM, N-BEATS)

► **Visualizing** : build a dashboard with Streamlit

🏆 Tristar gym app

Web application for Tristar Gym members build with NextJs, ReactJS and Firebase

Supervisor : **hamza.lakrati@outlook.com**

🏆 Who deserves 2022 Ballon d'Or ?

Comparing soccer player performances with D3 charts

📺 **Demo : https://benjamin-ousmane.github.io/2022-Ballon-Or-Project**