



**Yasser AIT LAZIZ** Available from early December for a Data Scientist position.



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Permis B

## EXPÉRIENCES PROFESSIONNELLES

### Data Scientist | Migration of ML Dataiku Flow to an ML Model Factory,

Apr 2024 – Oct 2024 | Paris, France

At namR - recommendation letter here [🔗](#)

- Migrated **25% of active Machine Learning workflows** from Dataiku to the **in-house developed ML model factory**.
- Connected to the database and **automatically generated SQL queries** to import data.
- Built data processing and feature engineering pipelines.
- Trained ML models (Random Forest, XGBoost, LightGBM) and generated artifacts such as pickle files, evaluation metric results, feature importance analysis, and SHAP values.
- Integrated **unit tests** and contributed **over 2000 lines of code**, reviewed and validated by a Senior Data Scientist.
- **Tech Stack:** Linux, Dataiku, GitLab, Python, Scikit-learn, Pytest, PostgreSQL, CI/CD, Docker, GCP Cloud, JIRA.

### Data Scientist | Development of a Generative AI MVP for Technical

Sep 2023 – Feb 2024 | Casablanca, Maroc

Reporting, At Norma.dev x Ecole Centrale Casablanca

- Developed a Python script to collect code changes in the project via the GitHub API.
- Used Langchain (LLM library) and Prompt Engineering to communicate project changes to GPT-3.5 Turbo, generating non-technical progress reports.
- Configured a Python script for automated report emailing to the project manager.
- **Tech Stack:** Linux, GitHub, Python, GitHub API, LLM Langchain, Prompt Engineering.

### Machine Learning Engineer | Redesign and Optimization of an Energy

Mar 2023 – Sep 2023 | Lyon, France

Trading Application, At Boralex Inc - recommendation letter here [🔗](#)

- Optimized the backend and frontend architecture of a Python application, tripling frontend launch speed and stabilizing resource usage.
- Performed unit testing to ensure application reliability.
- Developed a CI/CD pipeline for production deployment on the company's remote server.
- **Tech Stack:** GitHub, MySQL, Python, Selenium for Web Scraping, Dash, Flask, CI/CD, Docker.

### Data Scientist | Anomaly Detection on Composite Parts Using Radiographic

Feb 2023 | Marseille, France

Images, At Airbus Helicopter 2023 | 3rd place

- Preprocessed images using Fourier transformation and detected anomalies with YOLOv7.
- **Tech Stack:** Python, Fourier Transformation, YOLOv7.

### Data Scientist Consultant | OCR Project: Concrete Purchase Invoice

Dec 2022 – Feb 2023 | Nice, France

Analyzer, At NGE x DigitalLab Centrale Marseille

- Detected item tables using fine-tuned YOLOv7 on labeled dataset tables.
- Extracted textual data from item tables using the docTR OCR library.
- Packaged the data pipeline into an interactive dashboard for processing multiple invoices and generating CSV files.
- **Tech Stack:** Linux, Python, YOLOv7, docTR, Dash, Flask, CSS, HTML.

### Data Scientist Consultant | Drilling Time Prediction for NGE Machinery,

Nov 2022 – Dec 2022 | Nice, France

At NGE x DigitalLab Centrale Marseille

- Explored and prepared machine data: data wrangling and feature engineering.
- Benchmarked boosting and bagging algorithms in ML, LSTM, and ConvLSTM in Deep Learning to predict machine drilling time.
- Developed an interactive GUI with Streamlit for input data entry and drilling time predictions.
- **Tech Stack:** Linux, Python, PCA, Pandas, Scikit-learn, Tensorflow, Keras, Pytorch, Streamlit.

## ÉDUCATION

### Ecole Centrale Casablanca (ECC),

Sep 2020 – Oct 2024

Generalist Engineering with a specialization in Data Science

Casablanca - Nice, Maroc - France

- 09/22 - 09/23: Gap Year at DigitalLab Centrale Marseille.

### IBN TAYMIA MARRAKECH,

2018 – 2020 | Marrakech, Morocco

Preparatory Classes for Engineering Schools (CPGE) in Mathematics and Physics (MP)

## COMPÉTENCES

- **Programming Languages:** Python, SQL (MySQL, PostgreSQL).
- **ML/DL:** Linear and Logistic Regression, KNN, SVM, Random Forest, XGBoost, LightGBM, NLP & LLM (RNN, LSTM, Transformer, BERT, mbart50, RAG).
- **DevOps:** GitLab, GitHub, CI/CD, Docker, Ansible, Cloud (Google Cloud Platform (GCP)), Tmux Multiplexer. **Miscellaneous:** HTML, CSS, LaTeX.
- **Soft Skills:** Effective communication, curiosity and technological innovation, proactive approach, adaptability, empathy, and teamwork.

## LANGUES

: **Anglais C1:** TOEIC 900/990 |  
**Francais:** Fluent | **Arabe:** Native speaker

## CENTRES D'INTÉRÊT

**Bodybuilding** — Dedicated to bodybuilding and healthy eating for 3 years.

**Football** — Passionate football player.