Yassine Laghrabli

Data Engineer

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Professional Experience

Airbus SAS   **Toulouse, France**
Intern, Data Analyst   *April 2024 – October 2024 (6 months)*

- Integrated into a team of 7.
- Transformed R scripts into Python, optimized existing scripts, and developed structured Python libraries (reduced script processing time by ~20%).
- Set up a GitHub environment to centralize various scripts and libraries in a structured repository.
- Created Excel templates powered by Python scripts (reduced analysis time by ~30%).
- Developed visual KPIs on Qlik Sense.

Toulouse Institute of Computer Science Research (IRIT)   **Toulouse, France**
Intern, Data Analyst - Behavioral Analysis   *April 2023 – June 2023 (3 months)*

- Developed Python scripts to automate data analysis processes.
- Integrated AI APIs (e.g., GPT-4, Bard) to generate personas based on behavioral and demographic data.
- Designed and managed an Oracle database to structure and store research data.

Trading Mentorship Program   **Singapore, Singapore**
Intern, Financial Analyst   *May 2022 – July 2022 (3 months)*

- Developed and tested investment strategies to maximize returns while minimizing risks.
- Created autonomous trading bots in Python for real-time execution of optimized investment strategies.

Education

Toulouse 1 Capitole University   **2022 − 2024**
Master MIAGE ISIAD - Engineering of Information Systems for Decision Support

Courses: Data Quality, Big Data, Database Design and Modeling, Object-Oriented Programming, Data Exploration and Visualization, Machine Learning, ETL Processes, Information System Architecture and Data Management.

Toulouse 1 Capitole University   **2018 − 2021**
Bachelor's Degree in Economic and Social Administration (AES) - Societal Economics Specialization

Courses: Statistics and Probability, Accounting, Macroeconomics, Microeconomics

Certifications

Google Cloud - Associate Cloud Engineer   **3**1/01/2025 − 31/01/2028

Skills

Data and Programming languages : Python - Scala - PL/SQL - SQL
Databases and Datawarehouses : Oracle - PostgreSQL - BigQuery
ETL, ELT and EL : DBT - Airflow - Kafka
Deployment : Docker - Kubernetes - GKE - Load Balancing - Cloud Run - GIT
Data Viz : Qlik - Power BI **Cloud :** GCP

Projects

Academic Project - Keyrus: Analysis of Bicycle Mobility in Toulouse   **2024**
- Designed a database with DuckDB and implemented real-time data streaming to analyze mobility flows.
- Created Power BI dashboards to visualize trends.

Big Data Project: Analysis of New York City's Population Income with Hadoop   **2024**
- Analyzed income data in New York using MapReduce, Pig, and Scala in a Hadoop environment.

Personal Project - Trading Bot: Python Development   **2023**
- Developed trading bots in Python and integrated APIs to automate transactions based on real-time investment strategies.