

Omar CHAKER

Data Engineer

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Career Objective

Seeking a **position as a Data Engineer**

"Rigorous, versatile, and adaptable, I am confident that my strong motivation and team spirit will allow me to integrate quickly and deliver high performance within your team."

Professional Experience

Sep 2024 – **Data Analyst (Apprenticeship), Carrefour - Analytics Factory**

- Oct 2025 ○ Automated data workflows using Google Cloud Functions ensuring reliable data pipelines
- Developed Python DAGs using Airflow for scheduling and orchestrating ETL jobs on large datasets
- Optimized complex SQL queries on BigQuery, improving query performance and reducing costs
- Built interactive dashboards in Looker Studio to support data-driven decision making
- Collaborated with cross-functional teams to define data requirements and implement analytics solutions

May 2023 – **Python Developer / Designer (Internship), Laboratory of Geosciences and Environment, Cergy**

- Jul 2023 ○ Developed a PyQt6 graphical application in Python to automate the processing of seismic wave traces from experiments
- Processed and analyzed data efficiently using Pandas and NumPy
- Created clear visualizations with Matplotlib to interpret and present seismic data

Education

Sep 2023 – **Master's Degree, Computer Science and Complex Systems Engineering (Data Engineering Specialization),**

Sep 2025 *Cergy Paris University (CYU)*

- Expertise in information systems and heterogeneous data management
- Skills in data integration, data warehousing, and decision support
- Knowledge in Data Mining, NLP, and Machine Learning techniques
- Development of distributed applications and systems
- Project management in professional technical environments

Sep 2020 – **Bachelor's Degree, Computer Science, Cergy Paris University (CYU)**

- Sep 2023 ○ Mastery of object-oriented and procedural programming, algorithms
- Knowledge of databases, networks, and systems
- Ability to design, develop, and manage team projects

Academic Projects

Oct 2024 – **NewsGuard: Fake News Detection on X (NLP + Social Network Analysis)**

- Jun 2025 ○ Efficient feature generation using pre-trained BERT transformers
- Implemented GraphSAGE for social network analysis of tweets
- Applied XGBoost for textual data analysis

Jan 2025 – **Advanced Exploration and Analysis of FIFA 15 Dataset**

- May 2025 ○ Data preprocessing: cleaning, encoding, and normalization
- Applied DBSCAN to detect rare and promising profiles
- Used K-Means to cluster players into distinct groups

Mar 2024 – **Film Mediator Project**

- Apr 2024 ○ Aggregated information from 3 sources (SQL, RDF, XML) using Java
- Created a data transformation workflow with Apache HOP

Technical Skills

Languages Python, SQL, Java, JavaScript

Frameworks Airflow, PySpark, Transformers, Scikit-learn, TensorFlow, Spring Framework, Hibernate

Tools Visual Studio Code, GCP, Microsoft Azure, DBT, GitLab, Looker Studio, Google Sheets, Excel

Languages

French Native

English C1 (TOEIC: 825/990)