



Arthur Gires

Data Analyst

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EXPERIENCE

- **Sipartech**

Data Analyst

Toulouse, France

Feb 2025 – Present

Creation of a position among the GIS team. Goal of facilitating data management for the Pre-sales team.

- **Pre-sales Quotation Generator:** Updated the .xslm worksheets handling pre-sales quotations according to infrastructure PM's experiences. Refactored and improved VBA macros robustness. Halved the 4000 lines legacy code. Heavily simplified output readability.
- **QGIS Plugins:** Built a .kmz generator to GAFAM clients topological standard. Added Simplex Noise for privacy. Automated DICT/ATU utility response workflows, completely replacing Sogelink and saving the company €40k/year in software licensing.
- **MC80a Home One & Tydirium:** Architected an end-to-end multi-layer routing and pricing ecosystem, version controlled and scalable (git / docker) to unify and simplify business processes. Built a REST-like API (FastAPI / PostGIS) backend, a PyQGIS plugin front for Pre-sales team, and endpoint documentation (pydantic) for IT department (Dolibarr). Replaced legacy VBA macros and local pg_routing implementation with a server-side SQL routing and pricing engine (PL/pgSQL). Established an ELT pipeline (dbt + Oracle FDW) for live data sync. Added visualization tools (pg_tileserv).

- **Sabbatical**

Spiritual Retreat

Mont-Saint-Michel, France

Mar 2023 – Dec 2024

With my technical abilities highly validated, I took time to better anchor myself and deepen my life experience.

- **Personal Introspection:** Dove into family history, gathered testimonies and knowledge on my cultural heritage.
- **Spiritual Journey:** Begun my spiritual education within the Community of Saint Martin in Mont-Saint-Michel.

- **SNCF**

Data Integration Intern

Lyon, France

Apr 2022 – Sept 2022

Among SNCF regional head management, contributed to a €30M project replacing legacy railway planning tools.

- **Data Transformation:** Developed regex data collection tools and CSV modules for the Hastus system.
- **Workflow Optimization:** Delivered and cleaned trial data for Knowledge Engineers on the validation process.

EDUCATION

- **University of Caen Normandy**

Master of Science in Applied Mathematics, Statistics and Decision Analysis

Normandy, France

2019 – 2022

- **University of Caen Normandy**

Bachelor of Science in General Mathematics

Normandy, France

2016 – 2019

MISC & PROJECTS

- **Spiritual:** Ongoing exploration of different Catholics and Christians communities since 2022.
- **Hostel Host in Sweden:** Lived a few months in Stockholm during spring and summer 2021.
- **Mathematics Teacher:** Got employed by a local high school during my last bachelor year in 2019.
- **Offshore Yacht Skipper:** Taught basics of sailing to crews of 6 to 9 teens and adults in Southern France.