

Quentin CHAUVEL

Engineer degree in Computer Science, Data Science & AI

Data Engineer

Contact :

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Languages :
- English (C1)
- German (B1)

Soft skills:
- Dynamic
- Persevering
- Curious

Education :
- *UTC (University of Technology of Compiègne)* sept 2022 – feb 2026
  Computer Engineer, AI and Data Science
- *Politechnika Lubelska, Poland (Erasmus) sept 2024 - feb 2025*
- *IUT CYU, Neuville sur Oise*
  sept 2020 – june 2022
  DUT Electrical Engineering and Industrial Computer Science

Area of interest:
- Climbing
- Kite-surfing
- Travel
- Reading

Skills and projects

Langages :
- Computer Science : C, C++, SQL, Python, x86 assembly
- Electronics : VHDL

Environnement : Linux

As part of my UTC curiculum:
- Creation of a digital version of machi-koro game in C++ with QT
- Design, creation and managment of a database (UML, PostgreSQL, MongoDB)
- Participation in a Hackhaton in computer vision
- theoretical Computer Science (Combinatorial problem solving, graph modeling of problems, Complexity)
- Artificial intelligence (symbolic programming, machine
- learning, neural network)

End-to-End Data Pipeline (NYC Taxi) | Docker, Airflow, PySpark, dbt, PostgreSQL
- Built a multi-container data platform via Docker Compose to orchestrate scalable, volume-shared infrastructure.
- Engineered distributed pipelines with PySpark and Apache Airflow to ingest, clean, and validate Parquet datasets.
- Configured dbt to manage data transformations and analytical modeling inside a target PostgreSQL database.

Professional experiences

ABCD Nutrition — Sept. 2025 – Feb. 2026
Internship – Analysis and valorization of industrial data
- Design and reliability of industrial data pipelines: collection, cleaning and structuring of data from IoT systems (ESP32)
- Data flow automation and real-time processing via Node-RED
- Development of data dashboards for industrial performance management (data visualization, key indicators)
- Redesign of business indicators (Industrial Cost Price): improvement of data quality and usability
- Participation in a sales forecasting project: analysis of business needs and adaptation of data solutions to operational constraints

Poclain Hydraulics — Feb. 2024 – July 2024
Internship – Development of a Document-Based Question and Answer (LLM) system
- Design and development of an AI tool based on LLM models for querying technical documents
- Implementation of textual data processing pipelines (preparation, indexing, search)
- Optimization of the quality of responses (prompting, adjustment of parameters, evaluation of results)
- Autonomous development and resolution of complex technical problems
- Technical communication and collaboration with business teams

CR system — april 2022 - june 2022
Internship : PLC supervision and programming
- Supervision of hydraulic, aeraulic (AHU) and electrical systems
- Supervision in the context of smart buildings
- PLC programming (Wago, distech controls)

Associative activities

Compiègne en Transition, UTC Student Association
from sept 2022 to fev 2023
Treasurer and Volunteer
- Workshop facilitation
- Stand management (forum, festival)
- Management of the association's account

L'Isle Adam Food Bank, since june 2023
Volunteer for the food collection (November and June)