

PONTIER YOAN

EDUCATION

Centrale Lyon School of engineering, Lyon

September 2021 - Present

Generalistic Engineer Master Degrees with Data Science speciality

Courses : Mathematics, IT

Specialisation courses : Collaborative algorithms / Graphical interface C++, Data analysis and pattern recognition

Speciality courses : Big Data, Deep learning, Statistics, Optimisation, CyberSecurity

Lycée Malherbe

2018 - 2021

Completed an Undergraduate Intensive Course in Mathematics and Physics, Preparation for Nationwide Competitive Examinations

TECHNICAL SKILLS

Programming Language : Python, JavaScript, SQL, C++, Google App Script

Data Science and ML development : Pandas, Numpy, Sklearn, Plotly, Matplotlib, Polars, SQLAlchemy

Front-end Development : React, HTML, CSS, Flask

Software : MS Office, LaTeX

Languages : French (Native), English (Full professional proficiency)

TOEFL ITP score: 597/677

Cloud : GCP (Big Query, App Engine, Cloud Run), Google Workspace

PROFESSIONAL EXPERIENCES

Alter Watt, Paris

May 2023 - October 2023

Smart Building Engineer Intern

- Research and Development of an IoT-based offer and tools for clients to monitor energy consumption
- Energy Consulting for Commercial Buildings
- Project Management Assistance for Building Automation and Control Systems (BACS)
- Development of an Online Platform for Tertiary Organizations to track consumption via supplier APIs

Finance Doc Multimanagement AG , Zürich

January 2024 - July 2024

Data Engineer Intern

- Maintenance and improvement of an ETL process for extracting financial data from emails and/or web scraping via a Flask application and a SQL relational database. (approximately 10M rows per month)
- Creation of a data control and validation process to improve data quality.
- Implementation of a database of information related to ISINs, which is updated daily through interactions with about twenty financial institutions.

RELEVANT PROJECTS

Developed a web application for a tertiary organization focused on consumption tracking, which involved front-end development using React.js, user and organization management, data visualization, and the creation of APIs to access data from energy suppliers. Additionally, contributed to the development of cloud-based data storage using Google Cloud Platform (GCP).

ADEME Data/AI Challenge : Development of a model to automatically diagnose the relevance and eligibility of aid or service requests for ADEME. The project includes analyzing application files and specifications using a language model (LLM), followed by binary classification or ranking to assess the relevance of the requests. (Currently in development)