Pierre Aumjaud

Data Analyst

Narbonne, France

+33 6 66 43 21 50

https://pierreaumjaud.com/

pierre.aumjaud@gmail.com

French

About Me

Data analyst with 8+ years of Python experience applied to **machine learning** and **data analytics**. Passionate about leveraging data to drive decisions, with expertise in **SQL**, **statistical analysis** and **Python**.

Skills

» **Python (8 years)**

Scikit-learn • Pytorch • NumPy • Pandas • Matplotlib • Jupyter

» **Databases**

SQL • MySQL

» **DevOps**

Git • Docker • Azure (Databricks, Synapse Analytics, Data Factory) Pytest • Travis CI • Anaconda • VS-Code

» **Web Development**

HTML • CSS • Streamlit • Wordpress • Jekyll

» **Other**

Linux/Bash • Arduino • Markdown • LaTeX • ROS

Languages

🇫🇷 French – C2 ●●●●●

🇬🇧 English – C1 ●●●●○

🇪🇸 Spanish – C1 ●●●●○

Socials

linkedin.com/in/pierreaumjaud

github.com/PierreExeter

pierreaumjaud.com

Projects Portfolio

Customer Data Cleaning with SQL   Link to Project
Skills : MySQL, data cleaning, duplicates removal, missing values imputation, format standardisation

Reinforcement Learning for Robotic Arm Control   Link to Project
Skills : Python, Reinforcement learning, Robotics, Docker, Pytorch

Classifier Visualisation   Link to Project
Skills : Python, Scikit-learn, Matplotlib, Supervised learning

Data Analysis and Regression Predictions with Python   Link to Project
Skills : Python, Scikit-learn, Matplotlib, Regression

Deployment of a Large Language Model Web Application   Link to Project
Skills : Python, LLM, Streamlit, Docker

Work Experience

2021 – 2025 **Career Change**
• Additional training to become a professional data analyst.
• 20 volunteer work experiences in 8 countries.

2017 – 2021 **Marie Curie Research Fellow**   University College Dublin, Ireland
Anomaly detection and condition monitoring of a manufacturing process using time series and machine learning. Robotic trajectory planning using a reinforcement learning approach.
Focus: *machine learning, reinforcement learning, time series, anomaly detection, robotics.*

2016 – 2017 **Postdoctoral Research Fellow**   University College Dublin, Ireland
Numerical modelling and evolutionary and topology optimisation of composite materials.
Focus: *evolutionary optimisation, topology optimisation, finite element analysis, composite materials.*

2012 – 2015 **Teaching Assistant**   University of Exeter, UK
Solid mechanics, computational engineering, Computer-Aided Design.

2011 – 2011 **Project Management Intern**   Airbus, France
Harmonisation of CatiaV5 configuration settings for the A350 programme

Education

Academia

2012 – 2016 **PhD Mechanical Engineering**   University of Exeter, UK
Numerical modelling and computational optimisation of vibrating aerospace structures.
Focus: *evolutionary optimisation, exploratory data analysis, data visualisation, Python, numerical analysis.*

2009 – 2012 **MSc Mechanical Engineering**   SUPMICROTECH-ENSMM, France
National graduate engineering school in mechanics and microtechnologies.
Modules: *mechanical engineering, computer science, engineering mathematics, electronics.*

2007 – 2009 **BSc Engineering – 'classes préparatoires'**   Lycée Arago, France
Modules: *mathematics, physics, chemistry, engineering*

Courses & Certifications

2025	Cloud Computing Essentials with Azure	Analyst Builder
2025	MySQL for Data Analytics	Analyst Builder
2025	Build and share a containerized app	Docker
2024	Reinforcement learning specialisation	Coursera
2021	Machine learning specialisation	Coursera
2021	Introduction to Pytorch	Pytorch
2021	Introduction to Data Analysis	Udacity