

# 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 • Jupyter
- » **Databases**  
SQL • MySQL
- » **Data Visualisation**  
Tableau • Matplotlib • Seaborn
- » **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 •  $\text{\LaTeX}$  • ROS

## Languages

-  French – C2
-  English – C1
-  Spanish – C1

## Socials

-  [linkedin.com/in/pierreaumjaud](https://www.linkedin.com/in/pierreaumjaud)
-  [github.com/PierreExeter](https://github.com/PierreExeter)
-  [pierreaumjaud.com](https://pierreaumjaud.com)

## Projects Portfolio

[Link to Project](#)  
[Link to Project](#)  
[Link to Project](#)  
[Link to Project](#)  
[Link to Project](#)  
[Link to Project](#)  
[Link to Project](#)

- Data Analysis and Regression Predictions**  
**Skills** : Python, Scikit-learn, Matplotlib, regression
- Exploratory Data Analysis and Classification Predictions**  
**Skills** : Python, Scikit-learn, Matplotlib, classification
- Deployment of a Large Language Model Web Application**  
**Skills** : Python, LLM, Streamlit, Docker
- Customer Data Cleaning with SQL**  
**Skills** : MySQL, data cleaning, missing values imputation
- Reinforcement Learning for Robotic Arm Control**  
**Skills** : Python, reinforcement learning, robotics, Docker, Pytorch
- Data Visualisation with Tableau**  
**Skills** : Tableau, Exploratory Data Analysis, Business Intelligence

## 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 Tableau for Data Visualization [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](#)