Matteo Lemesre

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github.com/MatteoLemesre | matteolemesre.github.io/Portfolio-Website/

PROFILE

Graduate from **École Centrale de Nantes** (Nantes, France), 23 years old, specialized in **Applied Mathematics** and **Data Science**, I am currently looking for a **first full-time position as a Data Scientist or Data Analyst**.

EXPERIENCE

Data Engineer - Internship   April 2025 - Sept 2025
ALSTOM   *Bangkok, Thailand*
- **Objective:** Designed and implemented a BIM (Building Information Modelling) library to streamline access to project information across engineering teams.
- Developed data extraction scripts for metadata retrieval, automated asset tagging workflows and structured process documentation. Managed a team of four members.
- **Skills:** Python, C# and Windev development, interface design, data architecture, project management and leadership.

Mathematics Oral Examiner   Sept 2024 - Mar 2025
Lycée Saint-Stanislas   *Nantes, France*
- Conducted weekly 1-hour oral examinations (colles) for groups of three students in advanced mathematics.
- Assessed their knowledge in analysis, algebra and mathematical reasoning, while preparing them for competitive oral exams required for entrance into top French engineering schools.

Data Scientist - Internship   April 2024 - Aug 2024
HelloAsso   *Bordeaux, France*
- **Objective:** Predict the benefits won in the short and long time by HelloAsso to give a marketing action plan.
- Benchmarked various models (ARIMA/SARIMAX, Gradient Boosting, LSTM networks) and optimized hyperparameters.
- **Skills:** Python, SQL, Pandas, Scikit-learn, TensorFlow, data cleaning, data visualization, communication.

EDUCATION

École Centrale de Nantes   Sept 2022 - Sept 2025
Engineer's degree   *Nantes, France*
- **Majors:** Applied Mathematics & Data Science
- **Coursework:** Machine Learning and Statistical Learning, Numerical Probabilities, Fundamental Mathematics, Processing Scientific Computing and Optimization, Statistical Data Modeling

Lycée Janson de Sailly   Sept 2020 - June 2022
"Classes Préparatoires aux Grandes Écoles"   *Paris, France*
- A 2-year intensive program preparing for the national competitive exams for admission to French Engineering Schools.
- **Coursework:** Mathematics, Physics, Python, SQL

Lycée Thérèse d'Avila   Sept 2017 - June 2020
High School   *Lille, France*
- French equivalent of a High School Diploma with a science specialization, obtained with honors.

PROJECTS

Epidemiological Analysis | *LS2N*
- **Objective:** Comparing epidemiological dynamics of COVID-19 across different French departments using the Unbalanced Optimal Transport method.
- **Skills:** Mathematical analysis, time series data processing, algorithm implementation in Python, optimization, interactive visualization with Streamlit.

Data Science Challenge | *SNCF*
- **Objective:** Predicting passenger load on SNCF trains using temporal, geographic and contextual data. Development of a complete data pipeline, from exploration to modeling.
- **Skills:** Python, Data cleaning and exploratory analysis (Pandas, Seaborn), supervised modeling (linear regression, random forest, gradient boosting), recurrent neural networks (RNN) and model evaluation.

LANGUAGES

French - Native
English - TOEIC 855/990
German - Professional working proficiency