

Ayman YAYA

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Seeking a full-time role in Data Science starting September 2025: **Portfolio**

EDUCATION

Paris-Dauphine PSL University ,

- **Master's Degree in Mathematics and Computer Science – major in Statistics**
- Ranked 3rd French master's in Computer Science and 24th worldwide by the QS World University, 2025
- Relevant courses: Inferential statistics, Stochastic Calculus and Financial Mathematics, Machine Learning, Project Management

2024-2025
Paris 16, France

Paris-Nanterre University,

- **Master's Degree in Statistical and Economic Engineering of Finance, Insurance and Risk**
- Relevant courses: Inferential statistics, Stochastic calculation, Regression models, Time series, Data-mining:classification, VBA, Excel, Python, Software (SAS, R, Latex) , Project Management

2022-2024
Nanterre, France

Paris-Nanterre University,

- **Bachelor in Applied Mathematics and Computer Science ('licence' in 3 years)**
- Relevant courses: Linear Algebra, Statistics, Probability, Analysis, Algorithmics and Programming, Database, Software, Microeconomics, Macroeconomics

2019-2022
Nanterre, France

RELEVANT WORK EXPERIENCE

Comexposium,

Data Scientist, Apprenticeship

- Collect, clean and structure of user data.
- Develop predictive matchmaking models to recommend the most relevant B2B connections between visitors and partners.
- Recommend data-driven solutions to improve decision-making and user experience.

2024-2025
La Défense, France

Santander BANK,

Data Analyst | Credit Risk, Apprenticeship

- Automated credit risk reporting with data quality checks and KPI validation.
- Simulated and Analyzed SDS cut-off impacts to fine-tune the scoring model.
- Developed fraud detection code based on weak signals extracted from customer data.
- Built a Power BI dashboard centralizing key KPIs to enhance data accessibility for internal teams.

2022-2024
Levallois, France

Association CCL,

Mathematics Teacher, Volunteer

- Provided Mathematics homework help and guidance to students.

2019-2021
Courbevoie, France

SCIENTIFIC PROJECTS

Data Science Project,

Phone Price Prediction| Python

- Built a predictive model to estimate phone prices using machine learning techniques.
- Conducted exploratory data analysis to identify trends and prepare the dataset for modeling.
- Tested and compared models such as Linear and Polynomial Regression, Ridge, Lasso, Decision Trees and Random Forests, selecting the best based on RMSE and R^2 scores.

Time Series Project,

Analysis and Forecasting of Temperature Time Series | Rstudio

- Conducted a detailed analysis of 13 years of daily temperature data to identify trends and seasonality.
- Transformed and stationarized the time series, applying ARIMA modeling to capture temporal dependencies.
- Predict future temperature patterns with a model minimizing AIC, demonstrating strong predictive capabilities.

Database management system | SQL

- Executed SQL queries (LDD | LMD | LID) to create, manage and manipulate a database structure.

INTERESTS AND SKILLS

LANGUAGES

French (Native), **English** (Fluent), **Arabic** (Fluent)

IT QUALIFICATIONS

Programming (Python, R, SQL, SAS), **BI Tools** (Excel, VBA, PowerP, PowerBI)

INTERESTS

Running : Currently training for an Ironman, a high-intensity endurance competition, **Boxing**