

Ayman YAYA

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Seeking a full-time role in Quantitative Risk Analysis and Financial
Modeling starting September 2025: [Portfolio](#)(Hyperlink)

EDUCATION

Paris-Dauphine PSL University ,

2024-2025

- **Master's Degree in Mathematics and Computer Science – major in Statistics**
- Relevant courses: Inferential statistics, Stochastic Calculus, Financial Mathematics, Machine Learning, Project Management, Excel/VBA

Paris 16, France

Paris-Nanterre University,

2022-2024

- **Master's Degree in Statistical and Economic Engineering of Finance, Insurance and Risk**
- Relevant courses: Inferential statistics, Financial Mathematics, Stochastic calculation, Regression models, Machine Learning, VBA, Excel, Python, Portfolio Management, Project Management

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

Oct. 2024 - Sep. 2025

La Défense, France

- 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.

Santander BANK,

Quant Risk Analyst | Data , Apprenticeship

Sep. 2022 - Sep. 2024

Levallois, France

- 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.

Association CCL,

Mathematics Teacher, Volunteer

2019-2021

- Tutored middle and high school students in mathematics as a volunteer.

Courbevoie, France

SCIENTIFIC PROJECTS

Data Science Project,

Phone Price Prediction| Python

- Developed a predictive model to estimate phone prices using machine learning techniques.
- Built a full pipeline: data preparation, model selection, evaluation, and tuning.

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.
- Cleaned, transformed, applied ARIMA modeling, and optimized forecasts using statistical criteria.

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**