

Ahmed El Aaradi

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EDUCATION

Paris-Dauphine University - PSL, Paris

2020 - 2023

MSc 203 - Financial Markets

Expected

Relevant courses: Msc with focus on Stochastic Calculus, Programming, Volatility Trading & Derivatives, Econometrics, Time Series, Algorithmic Trading, Machine Learning & Data Science.

Projects: Time series analysis, Box-Müller Monte Carlo with variance reduction method analysis, Option Pricing using the Longstaff-Schwarz algo, etc. (Python, C++, VBA) ([link](#))

University Paris 1 Panthéon-Sorbonne, Paris

2017 - 2020

BSc Applied Mathematics in Economics and Finance (14.13/20)

Relevant Courses: Mathematical models in Finance, Measure Theory & R^n calculus, Statistics, Optimization.

Lycée Al Jabr, Casablanca - Morocco

2017

Baccalaureate in Science, A levels in Mathematics, Honors (15.31/20)

PROFESSIONAL EXPERIENCE

Natixis CIB

Mai 2023 - December 2023

Quantitative Developer C++ / C# - Fixed Income, Off-cycle Internship

Paris

Amundi Asset Management

October 2021 - April 2022

Structuring Analyst - International Institutional & Retail Investors, Off-cycle Internship

Paris

- ◇ Improved simulation tools used for the development of innovative CPPI structures.
- ◇ Built semi-automated non regression tests to keep track of changes in the library & limit undesirable devs.
- ◇ Conducted a research project on the implementation of option strategies on the already existent multi-asset portfolios & Performed a series of tests to ensure the usefulness of such strategies.

Société Générale

March 2021 - September 2021

Data Management & Reporting Analyst, Off-cycle Internship

La Défense - Paris

- ◇ Developed static and fully automated data visualisation tools for different types of financial products on Excel using VBA & Created automated dashboards easily accessible through the server using PowerBI .
- ◇ Assisted various sales managers to identify the clients with the biggest potential for the firm by bringing useful and concrete data on their activities.

LEADERSHIP AND ACTIVITIES

Challenge Data QRT 2023: Prediction of short term electricity futures(24h) prices using French and German market data. ([link](#))

Akuna Capital - Options 101: Course covering everything from electronic market basics to Option Greeks.([link](#))

Stratèfi 203: Student-run Association of the Master 203 - took part in both the production of a weekly newsletters and the communication team used to broadcast the activities of the Master. ([link](#))

LANGUAGE AND IT SKILLS

French: Fluent; **English:** Fluent (TOEFL - 102/120); **Arabic:** Fluent; **Moroccan:** Native.

IT Skills: Advanced: Python, C++, MS Office. — SQL, PowerBI, VBA, HTML, CSS, C#.

INTERESTS

Sports : Basketball(5+years&3years in national competitions), Gym & crossfit(4+years), Bouldering.

Other : Data analysis & Data Challenges, Travel, Japanese Manga.