Ruben Cardoso

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Searching for a Summer Internship starting in June 2025

EDUCATION

Université Paris-Dauphine - PSL   Since September 2020

MSc in Mathematics : "Advanced Mathematics" Track (1st year, 2 year program)

- Core courses: Functional Analysis (Sobolev, PDE, Compact operators and spectral analysis) [rank: **3rd**] , Discrete Processes (Martingales, Markov Chains) [rank: **2nd**], Advanced Continuous Processes (Brownian Motion, Ito's Integral, Stochastic Differential Equations)[rank: **2nd**], Convex Analysis (advanced optimization) [rank: **2nd**], Monte Carlo Methods, Portfolio Management, Evaluation of Contingent Claims, Time Series, Linear Models, Control of Markov Chains, Optimization (KKT,Dynamic Programming, Optimal Control).

Bachelor's in Mathematics, Economics, Finance, and Computer Science

- Core courses: Functional Analysis, Statistics, Measure theory, Differential Calculus and Optimization, Risk Management and Derivatives, Micro-Macroeconomics, Economics of Uncertainty, Computer Science.
- Global Ranking 3rd Year: 10th / 135

Lycée Carnot   September 2017 – June 2020
Scientific Baccalaureate, Specialization in Mathematics   Paris, France

- Graduated with Highest Honors: 16.5/20.

PROFESSIONAL EXPERIENCE, ENTREPRENEURSHIP

Albert School - Mines Paris   Since September 2024
Mentor, Teacher

- Oral examinations and tests for second-year high school students (Linear Algebra, Real analysis).

CEREMADE-PSL : Mathematical Research center of Dauphine University   July-August 2024
Research Thesis

- Topic: *"On the equivalence between McKean-Vlasov and Fokker-Planck equations, without common noise".* Click here to access

CIC   August 2024
Summer Intern   80 Av. Victor Hugo 75116

- Promoted banking services to new clients, presented new features on the mobile platform, collaborated with wealth management advisors.

Nely   June-July 2023
Assistant Data Analyst   Paris

- Developed models based on customer surveys, conducted linear regression (OLSE), performed optimization under constraints, and implemented Python coding.

Société Générale   June 2022 – July 2022
Summer Intern   112 Av. de Villiers 75017

- Increased banking limits, fund transfers, promoted banking services to new clients, presented new features on the mobile platform.

Private Tutor   Since September 2020
Individual or Group   Paris

- Mathematics from middle school to second year High school students. Preparation for MathsSUP, Baccalaureate. Courses in topology, linear algebra, and continuous probability for second year maths students.

LANGUAGES, SKILLS, CERTIFICATIONS, CONTEST

- **English:** C1 - **Spanish:** B2 - **Hebrew:** B1.
- **Programming Languages:** Python, RStudio, Bootstrap, LaTeX, Bloomberg Terminal.
- **Personal Skills:** Strong interpersonal skills, well-suited for high workloads.
- **Certification:** Bloomberg Market Concept (**BMC**).
- **Contests:** Currently applying to the upcoming "*Student Investment Challenge 2025*" organized by Natixis, which involves building a team to manage our own virtual multi-asset portfolio worth 100 million$.

SPORTS AND INTERESTS

- **UEJD (Students Association) : General Secretary** : Managed an integration trip for 80 students. Organized conferences with Holocaust survivors : Elie Buzyn (March 2022, approx. 650 people), Ginette Kolinka (November 2023, approx. 620 people).
- **Sports:** Surfing (La Torche, Bretagne), Taekwondo (Green Belt), Krav-Maga.
- **Interests:** Philosophy (Levinas, Arendt), American Politics (BBC, FoxNews), Financial News : The Economist, Bloomberg.