

Adrien Dumont

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Education

Bachelor of Science, Ecole Polytechnique, France

Mathematics, Economics, and Computer Science

September 2022 - Present

(Graduating in July 2025)

- **Current GPA:** 3.82/4.00 (First class equivalent)
- **Award:** Outstanding Student Distinction Year 2022-23
- **Research Projects:** Credit Risk Analysis using ML / Prediction of inflation rates based on ILS
- **Relevant Courses:** Advanced Algebra, Advanced Programming, Machine Learning, Econometry, Finance

High School Diploma, École Jeannine Manuel, Marcq-en-Baroeul

2019 - 2022

Advanced Mathematics, Physics, and Biology

- **Results:** Highest distinction, Valedictorian (18,17/20)
- Selected for the prestigious "Concours Général" of Mathematics, Physics, and French Literature

Work and Leadership Experience

Incoming Research Intern, Center for Research in Economics and Statistics

Sept - December 2025

- *Subject:* Evaluating systemic risks associated with lending protocols and analyzing the market microstructure of decentralized exchanges (DEXs); See [research team](#)

Global Markets Summer Intern, BNP Paribas CIB

June - Present

- Part of the Counterparty Credit Risk Project inside the Global Markets department (10 weeks)
- Portfolio analysis with Python and Machine Learning on internal and IMM metrics (PFE, Stress Testing, Contingent Market Risk, Reg. Haircut, MPOR, EEPE...)
- Rotations: Global Markets Trading Risk and Strategy, Global Markets Quantitative Research, Global Markets Technology and Platforms

Machine Learning Intern, Spoon Consulting Ltd

July - August 2023

- Developed object detection algorithms using Convolutional Neural Networks (CNNs) tailored for real-time image processing
- Enhanced model accuracy through advanced ML and statistical analysis techniques (PCA, Grad. Boosting)

General Secretary, L'ORE - École Polytechnique's Bachelor Students' Organization

May 2023 - May 2024

- Led a team of 10 students in charge of managing over 50 committees and a budget of 60k€/year
- Co-founded the "BX Investment Club" (main finance committee of the program)
- Sponsored by Jump Trading, Jane Street, QuantCo, Société Générale

Project Achievements

IMC Trading Competition, Prosperity 2 Trading Challenge

April 2024

- 2nd in France - 80th globally among over 5,000 teams - Obtained the Prosperity Trading Talent Certification
- Employed advanced algorithmic trading strategies (Mean Reversion, Arbitrage..); see [source code](#)

X-QuantumBlackAI by McKinsey Hackathon Leak Detection in Natural Gas Pipeline

December 2023

- 48 hours Machine Learning Competition in teams of 4 (Result: 3rd over 15 teams)

X-ENS Jane Street Estimathon, Winner

November 2023

Skills

Programming Languages

C++ ([Evolution Simulator](#)), Python, JavaScript (BX Marketplace App)

Data Analysis Tools

Python (Numpy / Scikit-Learn / Tensorflow), Excel, R Studio, Stata

Languages

French (Native), English (Bilingual)

Hobbies

- Runner (Completed Lille Semi-Marathon in 2022); Kitesurfing and Windsurfing worldwide