Maxime Farré

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Internship - 4/6 mois Available from April

Profile

MSc student in Financial Engineering (ESILV). Strong foundation in option pricing (Black–Scholes, Monte Carlo), VaR and portfolio optimisation. Development and deployment of quantitative tools in Python on Linux environments.

Education

ESILV – Master in Market Finance (Financial Engineering Track) 2024–2027
Market Risk, Equity Derivatives, Commodities Markets, Machine Learning for Finance

Preparatory Classes (PTSI/PT) – Lycée Jean Dupuy Tarbes 2022–2024

Quantitative Projects

Quantitative Research Platform (Python, Linux, Git)
Single and multi-asset backtesting (Equities, ETFs, Commodities) using momentum and buy-and-hold strategies. Computation of Sharpe ratio, annualised volatility and maximum drawdown. Portfolio simulation, correlation matrix and performance comparison between individual assets and portfolio. Automated data retrieval via API (5-minute refresh) and daily report generation using cron (Linux server running 24/7).

Multi-Asset Portfolio Dashboard (Python, SQL, Streamlit)
Portfolio monitoring tool integrating listed/unlisted equities, real estate and cash. Structured SQLite database with automated snapshots. Performance aggregation and asset allocation analysis.

Experience

Occifloc (SAS) – Co-founder & CEO 2022 – Present
Revenue €35k (2025) – target €100k (2026). Budget management, margin analysis and cash-flow monitoring. Implementation of financial KPIs and supervision of a 5-person team. Process automation initiatives.

Blast Club – Investor Member 2024 – Present
Early-stage startup analysis: market assessment, business model evaluation and simplified valuation review.

Private Tutor (Mathematics, Physics) 2019 – 2025

Skills

Programming: Python (Pandas, NumPy), SQL, Git, Linux, C++, VBA

Quantitative Finance: Black–Scholes, Monte Carlo, VaR, stress testing, mean–variance optimisation, backtesting
Tools: Advanced Excel, Bloomberg Terminal (equity screening, historical data, volatility analysis), Word, Powerpoint, Streamlit
Automation & AI: workflow automation (n8n), Python scripting, use of AI tools for code optimisation and data analysis
Strengths: analytical rigour, ordered, resilience, stress management, fast decision-making, autonomy, teamwork, adaptability

Languages

French: Native | English: Professional proficiency – TOEIC

Interests

Sports: Triathlon (Ironman preparation), Cycling, Running (marathon, GR20 self-supported crossing)

Finance & Entrepreneurship: startup investing, equity markets, company analysis, reading (John Hull, Damien Lamberton)