

THOMAS DE SAINT SAVIN

Paris, France — Available from June 2026 (3 months)
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Engineering student specializing in applied mathematics, financial markets and optimisation.

EDUCATION

IMT Atlantique	2024 – 2027
<i>M.Eng. in Mathematics (Statistics focus) & Computer Science</i>	<i>Nantes, France</i>
– Ranked 5/380 in Mathematics (1st year), Ranked 3rd/65 in Optimization (2nd year)	
– Main coursework: Probability, Numerical Methods, Stochastic analysis, Financial Market	
– Academic exchange in Vietnam (Spring 2026), focused on Quantitative methods, Data Science	
Collège Stanislas Paris	2023 – 2024
<i>Preparatory Class (Maths–Physics, MP)</i>	<i>Paris, France</i>
– Selective intensive program in advanced mathematics, physics, and computer science	
Institution Sainte Marie d’Antony	2020 – 2023
<i>French Baccalaureate & Preparatory Class (Maths–Physics)</i>	<i>Antony, France</i>

SELECTED PROJECTS

Predictive Modeling of Rare Events – Applied Machine Learning	2026
– Feature selection pipeline (70+ variables) using correlation, pseudo- R^2 , and LASSO to identify 15 optimal predictors with LOOCV cross-validation.	
Multi-Factor Quant Strategy (QuantConnect)	2025
– Designed and backtested a systematic multi-factor trading strategy combining alpha generation, portfolio optimization, and risk control (Python, LEAN API).	
End-to-end ML pipeline (PyTorch)	2025
– Developed and fine-tuned several models (KNN, SVM, CNN) to tackle structured data tasks, focusing on generalization, optimization, and interpretability (TensorFlow, pandas, scikit-learn).	
Econometrics Project – Education and Economic Growth	2025
– Conducted a fixed-effects panel regression (132 countries) to estimate the impact of education and literacy on GDP growth using World Bank data.	

PROFESSIONAL EXPERIENCE

Kryptosphere	2024 – Present
<i>AI Lead</i>	<i>France</i>
– Led IA/ML workshops and contributed to technical projects within the team.	
Finance Public Center Internship	Spring 2023
<i>Analyst Intern</i>	<i>France</i>
– Assisted the taxation department in analyzing inheritance and property tax declarations. Verified data consistency and calculated taxable amounts for individuals and estates.	

LANGUAGES, SKILLS & INTERESTS

Languages: French (native), English (C1), Spanish (A2), Mandarin (A1).

Technical: Python (PyTorch, TensorFlow), R (ggplot2, glmnet), Java, MATLAB, SQL, LaTeX, Git/GitHub, Cloud, Excel.

Certifications: Bloomberg Market Concepts, IBM LLMs, IBM RAG.

Activities: Vice President at Finance Consulting Atlantic, Student Union member (for 500+ students), Chess, Game theory & decision-making under uncertainty(Poker).