

THOMAS SAINT SAVIN

Paris, France — Available from June 2026 (3–6 months)
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Engineering student specializing in applied mathematics, statistics, and data science.

EDUCATION

- IMT Atlantique** 2023 – 2027
M.Eng. in Mathematics (Statistics focus) & Computer Science France
- Ranked 3/380 in mathematics
 - Main coursework: Probability, Statistical Learning, Numerical Methods, Optimization, Financial Mathematics, Financial Markets
 - Academic exchange at HCMUT - Vietnam (Spring 2026), focused on Finance, Data science
- Collège Stanislas Paris** 2023 – 2024
Preparatory Class (Maths–Physics, MP) Paris, France
- Selective intensive program in advanced mathematics, physics, and computer science within France's highest-ranked MP track
- Institution Sainte Marie d'Antony** 2016 – 2023
French Baccalaureate & Preparatory Class (Maths–Physics) France
- Competed in a National Mathematical Contest.

SELECTED PROJECTS

- 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.
- Quantitative Finance Project – Black–Scholes Pricing & Volatility Smile** 2025
- Built a Streamlit app for option pricing and implied volatility smiles using Yahoo Finance available on Github.
- 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).

PROFESSIONAL EXPERIENCE

- Finance Public Center Internship** Spring 2023
Analyst Intern France
- 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 (B1), Mandarin (A1).

Technical: Python(Pytorch, Tensorflow), Java, C++, SQL, LaTeX, Git/GitHub, Cloud

Skills: Excel, Stochastic Processes, Machine Learning, Optimization, Deep learning

Certifications: Elements of AI from Helsinki University, BMC, IBM LLMs, IBM RAG

Activities: VP – Finance Consulting Atlantic · AI Lead – Kryptosphere · Track & Field athlete (100 m) · Student Union member (500 +) · Chess