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 data science.

EDUCATION

IMT Atlantique
2024 – 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.

Predictive Modeling of Rare Events – Applied Machine Learning
2025

- Feature selection pipeline (70+ variables) using correlation, pseudo-R^2, and LASSO to identify 15 optimal predictors with LOOCV cross-validation. Implementation of anti-overfitting strategies (L1 regularization, composite score) and statistical bias diagnostics (24% MAE, temporal normalization, multicollinearity).

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), R (ggplot2, glmnet), Java, SQL, LaTeX, Git/GitHub, Cloud.

Skills: Excel, Stochastic Processes, Machine Learning, Optimization, Financial Markets, Strong oral and written communication skills

Certifications: Bloomberg Market Concepts, IBM LLMs, IBM RAG

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