

# 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

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<b>IMT Atlantique</b> <i>M.Eng. in Mathematics (Statistics focus) &amp; Computer Science</i>	2024 – 2027 Nantes, France
– 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	
<b>Collège Stanislas Paris</b> <i>Preparatory Class (Maths–Physics, MP)</i>	2023 – 2024 Paris, France
– Selective intensive program in advanced mathematics, physics, and computer science	
<b>Institution Sainte Marie d'Antony</b> <i>French Baccalaureate &amp; Preparatory Class (Maths–Physics)</i>	2020 – 2023 Antony, France

## SELECTED PROJECTS

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<b>Predictive Modeling of Rare Events – Applied Machine Learning</b>	2026
– Feature selection pipeline (70+ variables) using correlation, pseudo-R <sup>2</sup> , and LASSO to identify 15 optimal predictors with LOOCV cross-validation.	
<b>Multi-Factor Quant Strategy (QuantConnect)</b>	2025
– Designed and backtested a systematic multi-factor trading strategy combining alpha generation, portfolio optimization, and risk control (Python, LEAN API).	
<b>End-to-end ML pipeline (PyTorch)</b>	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).	
<b>Econometrics Project – Education and Economic Growth</b>	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

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<b>Kryptosphere</b> <i>AI Lead</i>	2024 – Present France
– Led IA/ML workshops and contributed to technical projects within the team.	
<b>Finance Public Center Internship</b> <i>Analyst Intern</i>	Spring 2023 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

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**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).