

NATHAN THERS

Student Researcher in Quantitative Finance. Looking for an internship from April 2025.

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Education

Master's Degree in Financial Engineering & Quantitative Finance **Sept. 2023 – June 2026**

ESILV, École Supérieure d'Ingénieurs Léonard de Vinci *Paris, FRANCE*

- **Courses Taken:** Advanced Statistic, Advanced Probability, Market Risk, Financial Instrument, C++ for finance, Machine Learning, Time series econometrics, Advanced financial concepts and models, Network Science, Algo trading, Advanced stochastic process, Model Risk.

Preparatory Classes for Top engineering schools, PCSI/PC Top 5% **Sept. 2021 – June 2023**

Lycée Pierre Corneille *Rouen, FRANCE*

- **Courses Taken:** Algebra, Differential Equations, Complex and Real Analysis.

Experience

Student Researcher **Sept. 2023 – Present**

DVRC - ESILV *Paris, FRANCE*

- Research on “Fraud detection in a financial dataset using Newcomb-Benford’s Law and machine learning algorithms” supervised by Nancy CHENDEB: development of AI models for fraud detection in financial audits using unstructured data.
- Skills Acquired: Implementation of Artificial & Recurrent Neural Networks (ANN & RNN), various machine learning algorithms such as XGBoost, SVM, KNN, RF algorithms

Asset Management Simulation **Sept. 2022 – March 2023**

NextWise Challenge *Paris, FRANCE*

- Participated in a European asset management simulation challenge over 7 months, both as part of a team and as an individual contributor. *Top 45/261*

Winner of Eloquence Contest **May 2019 – June 2019**

Finalist & Public Speaker *Rouen, FRANCE*

- Delivered speeches at the final event: <https://www.youtube.com/watch?v=yfAdvzRgubw>.

Technical Skills

Programming Languages: Python, C++, R, SQL, PL/SQL

Software Tools: VS Code, MATLAB, Google Colab

Technologies/Frameworks: GitHub, L^AT_EX

Certifications

Bloomberg Market Concepts certification (BMC)

AMF certification

Languages

French: Native

English: Fluent

Miscellaneous

Hobbies: Chess // Crime novel reading // Wine tasting // Debates and Eloquence.

Sports: 15 years of Basketball in competition, including 2 years at the pre-national level // Volleyball & Beach Volleyball // Running.