

# Neyl Gasmi

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RESEARCH INTERNSHIP (4–6 MONTHS), STARTING MAY-JUNE 2026

## Education

Currently enrolled in three concurrent programs

- **Université Paris 1 — Paris, France** Sep 2025 – May 2026  
Master 1 in Applied Mathematics to Economy and Finance  
*Courses:* Stochastic Calculus, Brownian Motion, Convex Optimisation, Deep Learning, Time Series.
- **Université Paris-Dauphine — Paris, France** Sep 2025 – May 2026  
Mathematics, Actuarial Science & Finance Track  
*Courses:* General Relativity, Quantum Mechanics, Measure Theory, Statistical Physics, Machine Learning, EDP.
- **EDHEC Business School — Lille, France** Sep 2024 – May 2028  
Master in Business Management, Grande École Programme  
*Courses:* Fixed Income, Mergers & Acquisitions, Derivate pricing, Regulation.
- **Université de Lille — Lille, France** Sep 2024 – May 2025  
Bachelor in Mathematics and Statistics, Research Track (Ranked 2/57)  
*Courses:* Advanced Topology, Differential Calculus, Celestial Mechanics, Measure Theory, Statistical Estimates.
- **Lycée Notre-Dame de Sion — Marseille, France** Sep 2021 – May 2024  
Preparatory Classes MPSI/MP  
*Courses:* Mathematics, Physics & Chemistry, Literature, Computer & Engineering Sciences.

## Professional Experience

- **EuroCTP — Amsterdam, Netherlands** Jun – Aug 2025  
MICROSTRUCTURE RESEARCH INTERN
  - Statistical analysis of large-scale event-based data, focusing on noise handling, time ordering and inference from incomplete observations.
  - Algorithmic reconstruction of information from partially observed and asynchronous event streams, using Bayesian methods.
  - Analysis of timing effects and inter-stream desynchronization, and their impact on the internal consistency of reconstructed quantities.
  - Design and implementation of scalable data analysis pipelines in Python/C++ for high-rate event processing under strict accuracy requirements.
  - Authored a detailed research report addressing data quality issues, timing effects and the reliability of reconstruction procedures.
- **Galeries Lafayette — Marseille, France** Summers 2022 to 2024  
OPERATIONS ASSISTANT - SUMMER JOB
  - Managed premium client relationships with discretion, service quality, and commercial outcomes.
- **Maths Teacher** Since 2021  
INDEPENDANT
  - Teached 40+ students with an average grade improvement of +4 points per trimester.

## Languages, IT Skills, Projects, Certifications & Interests

- **Languages:** French (Native), English (C1), Arabic (B2).
- **IT Skills:** Python, Jupyter, PySpark, C++, SQL, L<sup>A</sup>T<sub>E</sub>X, Git, Excel.
- **Projects:** Ising Model, Photovoltaic Power Forecasting, Betting Strategy..
- **Certifications:** TOEIC 915/990; TOSA Excel 700/1000.
- **Interests:** Astronomy, Cosmology, Deep Learning, Sailing, Comics, Pokémon, Grothendieck.