

François Galtier

www.linkedin.com/in/francois-galtier | Adresse: 1 rue Joliot Curie, 91190 Gif-sur-Yvette

Whatsapp : +33 (0)6 03 29 53 23 | francois.galtier@student-cs.fr

EDUCATION

Centrale Supélec

Gif-sur-Yvette, France

France's 2nd best engineering graduate school, 2nd year in Engineering Master's degree

Sep 2024 – Jun 2027

- **Coursework:** Convergence, Integration and Probability, Partial differential equations, Statistics and Learning, Algorithm and Complexity
- **Academic projects:** Developed a predictive maintenance and inventory optimization model using real hospital equipment data and the python reliability library, during a one-week project with GE

Paris Saclay University

Orsay

Shanghai Ranking's 13th University, Bachelor of Physics

Sep 2021 – Jun 2024

- **Coursework:** Advanced Quantum Mechanics, Fluid Mechanics, Python for Physics, Complex Analysis, Linear Algebra, Statistical Physics

EXPERIENCE

Sysnav

Vernon, France

Operating Intern in a company specialized in inertial navigation without GPS

Jun 2025 – Jul 2025

- **Participated** in **experimental** testing in the production area, ensuring an efficient workflow, compliance with safety regulations and optimal machine operation through structured training programs
- **Contributed** to **identifying** and characterizing sensor defects in order to compensate for them through algorithmic processing.
- **Engineered** Python scripts to automate repetitive tasks and improve data processing efficiency

IJCLab

Orsay, France

Research Intern

Jun 2024 – August 2024

- **Assembled** and **tested** high voltage generator housing for the 8 T MLLTrap magnet system, including manual work such as soldering and wiring
- **Developed** Python scripts to improve magnetic field data processing, using SciPy signals pandas and NumPy to filter noise and detect anomalies, designed user-friendly interfaces, and ensured smooth functionality.
- **Designed** an automated routine to identify sensor failures and relaunch measurement sequences, improving the reliability of high precision gaussmeter readings

EXTRACURRICULAR ACTIVITIES

Campus involvement

Gif, France

Centrale Supélec

Jan 2024 – Jan 2025

- Carbon Bilan realization as **Environment impact Manager** at **Student Sailing Club**
- **Vice President** at **Association of Centrale-Supélec Universitarians**
Acted as school ambassador during open days, student fairs and admission events, presenting CentraleSupélec to prospective students and their families.
- **Leadership:** President of the Water Polo Sports Association, organized tournaments (including the French University Championship), managed the team of 30 players, and handled financials, logistics, and team-building activities.

Private Tutoring

France

Freelance

Sep 2022 – Present

- Private tutor in Mathematics, Physics and Chemistry

TECHNICAL PROJECTS

Quantitative Finance project

Built a Black-Scholes-based Python pricer for European options with Monte-Carlo simulation and delta hedging.
Simulated hedged Portfolio P&L and visualized option price dynamics and greeks over time

SKILLS, ACTIVITIES & INTERESTS

Languages: French (native), English (fluent), German (intermediate)

Skills: Python, LaTeX, CSS, Office Package, Git

Interests: Sports (Water-polo, Swimming (12 years)), Scout leader, Wine tasting