

François Galtier

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EDUCATION

Centrale Supélec

Gif-Sur-Yvette, France

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

Sep 2023 – Jun 2027

- **Coursework:** Convergence, Integration and Probability, Partial differential equations, Applied Statistics, 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

Universite Paris Saclay

Singapore

Shanghai Ranking's 13th University, Bachelor of Physics

Jan 2025 – May 2025

- **Coursework:** Quantum mechanics, Fluid mechanics, Python for Physics, Complex Analysis, Linear Algebra, Statistical Physics
Special relativity,

EXPERIENCE

Sysnav

Altorf, France

6 Weeks-Internship in a company specialized in inertial navigation without GPS

Jun 2024 – Jul 2024

- **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

Paris, France

3 Months internship

Mars 2024 – May 2025

- **Assembled** and **Tested** high voltage generator housing for the 8 T MLLTrap magnet system, including manual work such as soldering and wiring using.
- **Developed** Python scripts to improve magnetic field data processing, using SciPy signals pandas and NumPy to filter noise and detect anomalies websites, 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

Student Clubs Involvement

Paris, France

CentraleSupélec

Jan 2024 – Jan 2025

- *Carbon Bilan realization* as **Environment impact Manager** at Student Sailing Club
- **Vice President** at **Association of Centrale-Supelec 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

SKILLS, ACTIVITIES & INTERESTS

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

IT: Python, LaTeX, HTML, CSS, Office Package, Git

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