

Mathieu PAULET

Physics PhD student

-  2001, October 29th
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-  B Category driving license

Languages

-  French
-  English
-  Spanish

Programming

-  Python
-  Matlab
-  LaTeX

Certifications

-  Cambridge Advanced (2024)
-  TOEFL ITP (2022)

Soft Skills

-  Curiosity
-  Communication
-  Sense of responsibility
-  Project Management

Interests

-  Cinema
-  Music (guitar / trumpet)
-  Chess
-  Photography
-  Tennis

About Me

Voluntary and **motivated** PhD student at **Laboratoire de Physique de l'ENS de Lyon**. Obtained a **masters degree** in **theoretical physics** at **École Normale Supérieure de Lyon**, and an **engineering degree** at **École Centrale de Lyon**.

Listen to others and possess great abilities in **team working**. Know how to **make decisions** and **act with positioning** when necessary. Enjoy **leading a team** or **managing a project** thanks to a great **sense of responsibility**.

Professionnal and Personnal Experience

2025	Laboratoire de physique de l'ENS de Lyon - Internship <i>École Normale Supérieure de Lyon, France</i> Entanglement generation and measurement in coherent quantum electronics	6 months
2024	Fysikum Research Lab - Internship <i>Stockholm University, Sweden</i> Logic gates based on Abrikosov vortices in type II superconductors	3 months
2023 - 2024	Laboratoire de Physique de l'ENSL - Research Project <i>École Normale Supérieure de Lyon, France</i> Shear thickening process in Laponite / PEO colloidal solutions	1 year
2023	Michelin - Internship <i>Michelin Research Center of Ladoux, France</i> Impact of the morphology of nanocomposite materials on their damage resistance	4 months
2022 - 2023	Institut des Nanotechnologies de Lyon - Research Project <i>École Centrale de Lyon, France</i> Optimization of light extraction by photon recycling in perovskite light emitting diodes	1 year
2022	Atelier Industriel Aéronautique - Internship <i>Atelier Industriel Aéronautique, France</i> Military aircraft maintenance on Lockheed C-130 Hercules	1 month
2022 - 2023	Centrale Lyon Cosmos - President <i>École Centrale de Lyon, France</i> President of the ECL's aerospace and aeronautics student association (around 60 members)	1 year
2021 - 2022	Centrale Lyon Cosmos - Atlas Project Manager <i>École Centrale de Lyon, France</i> Conception and realization of a mini-rocket with roll active control and trajectory apex detection systems	1 year

Education

2025 - now	PhD in quantum physics <i>Laboratoire de physique de l'ENS de Lyon, France</i>	
2023 - 2025	Master's Degree in theoretical physics <i>École Normale Supérieure de Lyon, France</i>	
2021 - 2023	Engineering Degree <i>École Centrale de Lyon, France</i>	
2019 - 2021	Preparatory class <i>Lycée Blaise Pascal, France</i>	Physics and Chemistry
2019	Scientific Baccalaureate <i>Lycée Blaise Pascal, France</i>	Highest Honours, English European section