Etienne Jean-Paul Lefèvre Forján

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Objective

- To keep expanding my knowledge in astrophysics.
- To obtain a PhD position that allows me to work doing research in the field of exoplanets.

Education

MASTER IN FUNDAMENTAL PHYSICS (SECOND YEAR) | 2025-2026 | AIX-MARSEILLE UNIVERSITÉ, FRANCE

MASTER IN FUNDAMENTAL PHYSICS (FIRST YEAR) | 2024-2025 | UNIVERSITÉ PARIS CITÉ, FRANCE

BACHELOR'S DEGREE IN ASTRONOMY | 2018-2023 | PONTIFICIA UNIVERSIDAD CATÓLICA, CHILE

SECONDARY SCHOOL | GRADUATED 2017 | INSTITUTO RAFAEL ARIZTÍA, QUILLOTA, CHILE

Skills

LANGUAGES

- Spanish (native).
- Fluent in English (level B2 certified in 2017 by the Instituto Chileno-Británico de Cultura and the Cambridge University, United Kingdom).
- Intermediate French (autodidactic, living in France since August 2024).

INFORMATIC SKILLS

- Experience with Python programming since 2018.
- Experience with statistical and astronomical Python libraries, such as numpy, matplotlib, scipy, astropy & rebound.
- Experience with machine learning Python libraries, and their application to Neural Networks and Principal Component Analysis: scikit-learn, PyTorch & Keras.
- Basic use of Linux Operative System (Ubuntu, Windows Subsystem for Linux).
- Basic use of Excel, SQL, Ruby, C, PHP, JavaScript, CSS and HTML.
- Basic experience with astronomical software: IRAF, VIREO, Stellarium & DS9.

Work experience

INTERNSHIP | LAM - CNRS | MARCH - OCTOBER 2026

Team research about the impact of stellar activity on radial velocity exoplanet detections, supervised by Dr. Nathan Hara and Dr. Sophia Sulis.

INTERNSHIP | MEUDON OBSERVATORY - CNRS | JUNE - JULY 2025

Team research about the impact of stellar activity on astrometric exoplanet detections, supervised Dr. Anne-Marie Lagrange, Dr. Flavien Kiefer and PhD student Florian Destriez. Contribution as a co-author to Destriez et al. (2026), accepted by A&A in October 2026.
Link to article: https://ui.adsabs.harvard.edu/abs/2026arXiv261031006D/abstract

INDEPENDENT RESEARCH | PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE| 2023-2025

Bachelor's thesis follow-up, supervised by Dr. Gijs D. Mulders. Article published in July 2025 at The Astrophysical Journal, titled "Saturns, but not super-Jupiters, occur more frequently in the presence of inner super-Earths".
Link to article: https://doi.org/10.3847/1538-4357/ade715

PRIVATE LESSONS | INDEPENDENT WORK | 2023-2024

Private tutoring in physics and mathematics for students from elementary school through undergraduate level.

WEB DEVELOPMENT | INDEPENDENT TEAMWORK | 2021

Participation in a web development project with other students during my bachelor's, creating the website of a flower-selling company.
Link to website: https://belusoflor.com/

PRIVATE LESSONS | INDEPENDENT WORK | 2013-2017

Private lessons in physics, chemistry and mathematics for secondary school students.

Additional experience

- Participation as speaker in the conference "On the shoulders of giants" at Turin, March 2026. Talk titled "Only the least massive outer-giant planets occur more frequently in the presence of inner super-Earths".
- Participation at the "Festival d'Astronomie de Provence", answering questions and showing experiments to a general audience ranging all ages.
- Observations with the SOPHIE spectrograph at the Observatoire de Haute Provence, from October 27th to November 3rd, 2026.