Etienne Jean-Paul Lefèvre-Forján

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Objectives

- To keep expanding my knowledge in astrophysics and contribute to research in that field.

- To obtain a PhD position that allows me to dedicate myself to scientific research in the field of exoplanets.

Education

MASTER IN FUNDAMENTAL PHYSICS | 2025-PRESENT | AIX-MARSEILLE UNIVERSITÉ
Started in September 2025, following the astrophysics path from the beginning of the year.

MASTER IN FUNDAMENTAL PHYSICS | 2024-2025 | UNIVERSITÉ PARIS CITÉ
Started in September 2024, with the objective of following the astrophysics path from the second semester of the master. Obtained a score of 16.5 out of 20 in the final exam and 12.14 out of 20 as overall grade.

BACHELOR'S DEGREE IN ASTRONOMY | 2018-2023 | PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE
Started in March 2018, with the objective of learning the necessary tools to eventually dedicate myself to scientific research. Obtained a score of 6.7 out of 7 in the final exam and 5.14 out of 7 as overall grade.

SECONDARY SCHOOL | 2017 | INSTITUTO RAFAEL ARIZTÍA, QUILLOTA
Scientific-humanist education, graduated in 2017 with grade 6.9 out of 7.

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 (Franco-Chilean nationality).

INFORMATIC SKILLS
- Experience with Python programming since 2018.
- Experience with statistical and astronomical Python libraries, such as numpy, matplotlib, scipy, astropy, rebound & astroml.
- Basic use of Linux Operative System (Ubuntu, Windows Subsystem for Linux).
- Basic level in SQL, Ruby, C, PHP, JavaScript, CSS and HTML.
- Basic experience with astronomical software: IRAF, VIREO, Stellarium & DS9.

Work experience

SCIENTIFIC RESEARCH | LAM - CNRS | MARCH 2026-PRESENT
Three-month internship at Marseille's Astrophysics Laboratory as part of my second year of master's studies. Team research about the impact of stellar activity over radial velocity exoplanet detections, supervised by Dr. Nathan Hara and Dr. Sophia Sulis.

SCIENTIFIC RESEARCH | MEUDON OBSERVATORY - CNRS | 2025
Two-month internship at the Meudon Observatory as a part of my first year of master's studies. Team research about exoplanetary systems and the impact of stellar activity over astrometric detections, in charge of Dr. Anne-Marie Lagrange. Contribution as co-author for Destriez et al. (in prep).

SCIENTIFIC RESEARCH | PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE | 2023-2025
The thesis project for my bachelor's degree derived into a publication project on exoplanet demographics with Professor Gijs D. Mulders, published in July 2025 at *The Astrophysical Journal*, titled "Saturns, but not super-Jupiters, occur more frequently in the presence of inner super-Earths" (https://doi.org/10.3847/1538-4357/ade715).

PRIVATE LESSONS | INDEPENDENT WORK | 2023-2024
Private lessons in physics and mathematics for students from elementary school to university level.

WEB DEVELOPMENT | INDEPENDENT TEAMWORK | 2021
Participation in a web development project with other students (see https://belusoflor.com/).

PERSONALIZED ASSISTANTSHIPS | INDEPENDENT WORK | 2013-2017
Paid assistantships on physics, chemistry and mathematics for secondary school students.