

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 (SECOND YEAR) | 2025-2026 | AIX-MARSEILLE UNIVERSITÉ, FRANCE

Started in September 2025, following the astrophysics branch from the beginning of the year.

Obtained a score of 15.5 out of 20 in the final exam and 13.54 out of 20 overall score.

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

Started in September 2024, following the astrophysics branch starting 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

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, CHILE

Scientific-humanist education, graduated in 2017 with a general score of 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 (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.
- 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

INTERNSHIP | LAM - CNRS | SEPTEMBER - 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 | LAM - CNRS | MARCH - JULY 2026

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 on radial velocity exoplanet detections, supervised by Dr. Nathan Hara and Dr. Sophia Sulis.

INTERNSHIP | MEUDON OBSERVATORY - CNRS | JUNE - JULY 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 astrometry detections, in charge of Dr. Anne-Marie Lagrange. Contribution as a co-author to Destrieux et al. (in prep).

SCIENTIFIC RESEARCH | PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE| 2023-PRESENT

The thesis project for my bachelor's degree derived into a publication project on exoplanet demographics with Dr. 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 up to university level.

WEB DEVELOPMENT | INDEPENDENT TEAMWORK | 2021

Participation in a web development project with other students, creating the website of a flower-selling company (<https://belusoflor.com/>).

PRIVATE LESSONS | INDEPENDENT WORK | 2013-2017

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

Extracurricular activities and additional information

- 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.