Luc VIERNE

Date of birth: 28 Feb 2001

Nationality: French

Contact

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europass

ABOUT ME

Engineer specialising in applied mathematics, data processing and scientific software development.

WORK EXPERIENCE

POKaPOK Plouzané, France

Research support engineer

1 May 2025 - Current

Development and optimisation of new statistical methods to automate real-time quality control of in situ oceanographic data (temperature and salinity) provided, among other sources, by Argo floats.

Apical Technologies Les Pennes-Mirabeau, France

Applied Mathematics and Software Engineering Intern

1 Jun 2024 - 30 Sep 2024

Python development and documentation writing for an image processing pipeline that continuously performs astrometry and photometry of stars in full-sky images for the ESO (European Southern Observatory), obtained from an instrument installed at the VLT (Very Large Telescope) site in Chile.

Merio Saint-Restitut, France

Assembly Technician

1 Jul 2022 - 31 Aug 2023

Internship (summer 2022), then fixed-term contract (summer 2023)

Assembly of optronic turrets, tooling design in SolidWorks, equipment testing, and Python development

EDUCATION & TRAINING

1 SEP 2019 - 30 JUN 2025 Ivry-sur-Seine, France

Master's Degree in Aerospace Engineering IPSA (Institut Polytechnique Des Sciences Avancées)

Field(s) of study: Natural sciences, mathematics and statistics, Engineering, manufacturing and construction | **Level in EQF:** EQF level 7

1 AUG 2023 - 29 FEB 2024 Vilnius, Lithuania

Erasmus Exchange semester Vilnius Gediminas Technical University

Field(s) of study: Engineering, manufacturing and construction | **Level in EQF:** EQF level 6

1 SEP 2017 - 30 JUN 2019 Vienne, France

French Baccalaureate - Mathematics and Engineering Lycée Galilée

Level in EQF: EQF level 4

LANGUAGE SKILLS

MOTHER TONGUE(S): French
OTHER LANGUAGE(S): English

SKILLS

Programming languages (Python, MATLAB, C/C++) | Development tools (Git, Docker, SQL/MySQL/PostgreSQL) | apply statistical analysis techniques | use CAD software | computational fluid dynamics | aerospace engineering | plan space satellite missions | robotics

DRIVING LICENCE

- **Driving licence:** B

HOBBIES AND INTERESTS

- **Aerospace**
  - Aviation
  - Astronomy
  - Space mission planning and simulation
- **Motorsport and Yacht racing**
- **Amateur radio**