



JESUS FERRANDIS

Software engineer

EXPERIENCE

2023 System Testing and Translation (GMV, Madrid, Spain)

Working on the Radiance application (software used to plan intraoperative radiation therapy):

- Conducted system testing, ensuring functionality and identifying any bugs or issues
- Collaborated with a team of developers and designers to improve the user interface and user experience of the application
- Translated the user interface from English to French and Spanish, ensuring accurate and clear communication for international users

2022 Software developer (Laboratoire Charles Fabry, Paris-Saclay)

Design and programming of a Qt interface under Python 3.10 for the control of a Modulation Transfer Function measurement lab in the infrared range:

- Handling of the lab
- Programming of the treatment in Python
- Design of the interface
- Programming of the interface in PyQt
- Optimisation to the users' needs

Debugging and optimisation of a Matlab program controlling a Fizeau interferometer

2021 Software developer (LEnSE, Paris-Saclay)

Design and programming of a Qt interface under Python 3.9 for the control of a LiDAR lab:

- Design of the interface
- Programming of the interface
- Optimization to user needs

EDUCATION

2024 Degree in Optics

Institut d'Optique Graduate School, Paris-Saclay

2023 University diploma in Biomedicine

Institut de Formation Supérieure BioMédicale (IFSBM), Institut Gustave Roussy

2018-2020 CPGE MPSI - PSI*

Janson de Sailly, Paris XVI

→ Two-year undergraduate intensive preparation courses for the entrance exams to top French Engineering schools

2018 Scientific baccalauréat (specialty: Biology, option: Maths) - High Honours

Lycée Français de Barcelone, Spain

CONTACT DETAILS

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SKILLS

Optics

- In-depth knowledge of image processing, optical design, non-linear optics, biophotonics

Programming

- In-depth knowledge of Python, Matlab Knowledge of Java, C and C++

Software development

- Very good knowledge of PyQt

LANGUAGES

Spanish (native)

French (fluent)

English (fluent)

TOEIC - level C1

Catalan (fluent)

Japanese (beginner)

INTERESTS

Science:

- Biomedicine, Genetics, Computer Science

Technology:

- Programming, Cybersecurity, Machine Learning

Sports:

- Basketball, Volleyball, Martial Arts, Archery

Hobbies:

- Cooking, Video games, Chess, Arrow-words