



## Contact

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## Technical skills

### Fields

- Machine learning, statistics, optimization, image and signal processing
- Electronics, sensors, embedded programming, IoT
- Algorithms, object-oriented programming, databases, web

### Programming languages

- Python, C, Java, C++

### Libraries

- NumPy, pandas, OpenCV, PyTorch, scikit, SciPy

### Instrumentation

- Oscilloscope, multimeter, function generator, power supply

### Embedded computing

- Arduino, Raspberry Pi, NVIDIA Jetson

### Software and tools

- Linux, Bash, Git, LaTeX

## Languages

**French:** Native (C2)

**English:** Native (C2)

**Spanish:** Advanced (C1)

## Soft skills

Teamwork

Diligent

Initiative

Level-headed

## Interests

Trivia

Drawing

Cinema

Languages

Photography

Board games

# Laurent Foyer

5th year Computer Science and Engineering student



Looking for a **3-4 month internship starting February 2025**  
+ a **6 month internship starting May 2025**

## Education



Academic exchange at the Institute of Technology of Buenos Aires  
Feb-Jul 2024 | ITBA, Argentina

- Semester abroad in Argentina, following classes taught fully in Spanish

Machine learning

Data analysis

Internet of Things



Computer Science

2022-2025 | National Institute of Applied Sciences of Rouen, France

- Currently pursuing an engineering degree in computer science and information technology

Deep learning

Data science

Computer vision

Embedded systems



Electrical Engineering and Industrial Computing

2020-2022 | Institute of Technology of Rouen, France

- Two-year technical degree in electrical engineering

Circuit analysis

Electronic instrumentation

Sensors

## Work experience

INSA Certified Project (PIC)

Sep-Dec 2024 | INSA Rouen / Enedis

- Time series forecasting of electricity consumption for balancing of national electrical grid for French electricity distributor Enedis
- Semester-long project within 9-person team, representing 25 weekly hours, following Scrum management

Data analyst

July-Aug 2023 | National Institute for Nuclear Physics, Frascati, Italy

- Data analysis for the SIDDHARTA-2 experiment using the ROOT framework

Electronics technician

Apr-Jun 2022 | Stefan Meyer Institute for Subatomic Physics, Austria

- Improvement of a pre-amplifier for a novel silicon photomultiplier, to be used for the Hbar hodoscope for the ASACUSA experiment led at CERN-AD (PyQt & Arduino)

## Projects

1:10 scale autonomous car (ongoing)

- Design and assembly of a 1:10 scale autonomous car based on MuSHR/F1Tenth