

YANNIS LOUMOUMAMOU

Engineering Student – Robotics & Artificial Intelligence
Seeking an internship | April – August 2026

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PROFESSIONAL EXPERIENCE

Deep Learning & Computer Vision Intern

Institut Pascal

Apr – Aug 2025 Aubière, France

- Adaptation and training of YOLOv8 for object detection in road environments using multimodal data (RGB / SWIR).
- Data preprocessing, model training and performance evaluation in a research setting supervised by [Dr. Mathieu Labussière](#).

Indoor Localization Project

IRT B\COM – IMT Atlantique

Sept 2025 – Jan 2026 Nantes, France

- Development and integration of a visual-inertial odometry module through camera and IMU data fusion, based on the OpenVINS framework.

Wavestone Wave Game Challenge

Wavestone

Oct – Dec 2025

- Solving AI/ML challenges as part of a team in an inter-school competition organized by Wavestone.

LIMO Robot Control via ROS2 Project

Université Clermont Auvergne

Oct – Dec 2024 Clermont-Ferrand, France

- Development of a ROS2 architecture for joystick-based control of a LIMO mobile robot.

Mechatronics Project – Miniature Autonomous Car

Bachelor's in Mechatronics

Feb – May 2024 Clermont-Ferrand, France

- Design of an autonomous car with parking assistance system (Arduino).

Student Work Experience

McDonald's, Lidl

2024 – 2026

INVOLVEMENT & LEADERSHIP



Deputy Treasurer – AFNEUS

Since Oct 2025. Budget management, bookkeeping, organization of national student events.



Secretary General – RobotiClermont

Oct 2023 – 2025. Administrative management, robot design, participation in national competitions.

ABOUT

“Robotics and AI are the tools of tomorrow – I am training to be one of their makers.”

EDUCATION

Engineering Degree – Robotics & Interaction

IMT Atlantique

2025 – 2027 Nantes, France

Master 1 – Automation and Robotics

Université Clermont Auvergne

2024 – 2025 Clermont-Ferrand, France

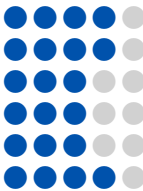
MPSI Preparatory Class

Lycée Blaise Pascal

2021 – 2022 Clermont-Ferrand, France

TECHNICAL SKILLS

Deep Learning / YOLOv8
ROS2 / Robotics
C++/Python
PyTorch / OpenCV
MATLAB / Simulink
Git / Linux



LANGUAGES

French (native)
English (B2)
Spanish (A2)



INTERESTS

Robotics

Artificial Intelligence

Geopolitics

Football

REFERENCE

Dr. Mathieu Labussière

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✉ Mathieu Labussière