

YANNIS LOUMOUAMOU

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

@ yannisloum@gmail.com ☎ +33 7 83 63 93 34 [in yannisloum](#) [Yannisloum63](#) [Portfolio](#) Nantes, France

PROFESSIONAL EXPERIENCE

Deep Learning & Computer Vision Intern

Institut Pascal

📅 Apr – Aug 2025

📍 Aubièvre, 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 – RoboClermont

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

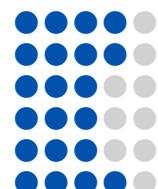
Lycée Blaise Pascal

📅 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

@ mathieu.labussiere@uca.fr

✉ Mathieu Labussière