Yannis Loumouamou

Engineering Student at IMT Atlantique

IMT Atlantique, Nantes, France
📱 +33 7 83 63 93 34
✉ yannisloum@gmail.com
in yannis-loumouamou-697409253
○ Yannisloum63
21 years old

Technical Expertise & Skills

- **Programming** : Python, C/C++, MATLAB/Simulink, ROS2
- **Computer Vision** : YOLOv8, image processing (RGB, SWIR), indoor localization
- **CAD/Simulation** : CATIA V5, Solidworks, LabVIEW, Control Expert
- **Systems** : Linux, Windows

Education

2023–2026	**Generalist Engineer (Robotics)**, *IMT Atlantique, Nantes*
2024–2025	**Master 1 Automation & Robotics**, *Université Clermont Auvergne*
2022–2024	**Bachelor's in Mechatronics**, *Université Clermont Auvergne*
2021–2022	**Preparatory Class MPSI**, *Lycée Blaise Pascal, Clermont-Ferrand*

Professional Experience & Projects

Apr.–Aug. 2025 — **Deep Learning & Computer Vision Intern**, *Institut Pascal, Aubière*
Adaptation of YOLOv8 for object detection on road scenes (multimodal images: RGB and SWIR).

Sept.–Jan. 2025 — **Indoor Localization Project**, *IMT Atlantique, Nantes*
Development of a vision-based localization device for IRT B<>COM.

Oct.–Dec. 2024 — **LIMO Robot Control Project via ROS2**, *Université Clermont Auvergne*
Piloting a LIMO robot with a video game controller joystick via ROS2

Feb.–May 2023 — **Autonomous Mini Car Project**, *Bachelor's in Mechatronics, Clermont-Ferrand*
Design of an autonomous car with parking assistance (Arduino).

Jul.–Oct. 2024 — **Multipurpose Employee**, *McDonald's France, Gerzat*

Engagement & Leadership

Since Oct. 2025 — **Deputy Treasurer**, *AFNEUS (National Federative Association of Scientific University Students)*
Budget management, accounting follow-up, organization of national events.

Apr. 2025 — **Student Representative**, *Université Clermont Auvergne*
Student representation on the University School of Physics Council.

Oct. 2023–2024 — **Secretary General**, *RobotiClermont (Robotics Club)*
Administrative management, robot design, participation in competitions.

Languages & Interests

Languages: French (native), English (B2), Spanish (A2)

Interests: Geopolitics, robotics, football, cycling