

Yannis Loumouamou

Robotics and AI Engineering Student



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Education

- 2025–2027 **Engineering Degree – Robotics and Interaction**, IMT Atlantique, Nantes
- 2024–2025 **Master 1 – Automation & Robotics**, Université Clermont Auvergne, Clermont-Ferrand
- 2022–2024 **Bachelor's in Mechatronics**, Université Clermont Auvergne, Clermont-Ferrand
- 2021–2022 **Preparatory Classes for Engineering Schools – MPSI**, Lycée Blaise Pascal, Clermont-Ferrand

Professional Experience & Projects

- 2025 **Wavestone Wave Game Challenge**, Wavestone
Selected participant for Wavestone's innovation and consulting challenge. Solving real-world business and technology case studies in a competitive environment. Development of creative solutions under time constraints.
- Apr–Aug 2025 **Intern in Deep Learning and Computer Vision**, Institut Pascal, Aubière
Adaptation of YOLOv8 for object detection on road scenes (multimodal images: RGB and SWIR). Research internship supervised by Dr. Mathieu Labussière.
- 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
Control of a LIMO robot with a video game controller joystick via ROS2.
- Feb–May 2023 **Mini autonomous car project**, Bachelor's in Mechatronics, Clermont-Ferrand
Design of an autonomous car with parking assistance (Arduino).
- Jul–Oct 2024 **Multi-skilled employee**, McDonald's France, Gerzat

Involvement & Leadership

- Since Oct 2025 **Deputy Treasurer**, AFNEUS (National Federation of University Science Students)
Budget management, accounting oversight, organization of national events.
- Apr 2025 **Student Representative**, Université Clermont Auvergne
Student representation at the University Council of Physics.
- Oct 2023–2024 **General Secretary**, RobotiClermont (Robotics Club)
Administrative management, robot design, participation in competitions.

Languages & Interests

- Languages: French (native), English (B2), Spanish (A2)
- Interests: Geopolitics, robotics, football, cycling