

Lucas González Fiz

4th Year Artificial Intelligence Student

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Professional Summary

Fourth-year undergraduate Artificial Intelligence student and AI Engineer with hands-on experience in applied machine learning, computer vision, LLM-based systems, and autonomous platforms. Skilled in Python, PyTorch, YOLO, Transformers, RAG pipelines, and deep learning workflows, with a strong focus on building reliable AI systems for real-world applications.

Technical Skills

Core	Python, Java, SQL, Linux, Git/GitHub
Machine Learning	PyTorch, TensorFlow, Scikit-learn, NumPy, Pandas, model evaluation
Computer Vision	YOLO, OpenCV, image processing, object detection
Deep Learning	Transformers, LLMs, embeddings, fine-tuning, Hugging Face
AI Systems	RAG, Docker, ROS, NATS, reproducible workflows

Experience

- Nov. 2024 – Present **AI Software Developer, Auria Technologies**
(*Student Association, Formula AI Student*), Ourense, Spain
 - Collaborated in an international Agile team developing software for an autonomous racing platform.
 - Supported implementation and tuning of YOLO models in Python for real-time perception.
 - Helped deploy the autonomous system on NVIDIA Jetson Orin using reproducible development workflows with Docker and Git/GitHub.
- Mar. 2026 – Jun. 2026 **AI Engineer Intern, MicroPort** (*subcontracted via Cardiovascular Gallega*), Ourense, Spain
 - Built a normalization table pipeline using RAG with LLMs to improve data consistency and retrieval quality.
 - Developed an AI model to detect electrode malfunctions in pacemakers for clinical workflow support.

Selected Projects & Awards

- HackUDC – Inditex Podium finisher in the computer vision challenge, focused on an industry-oriented AI problem.
- Formula AI Contributed to the software stack for a 1/10th scale autonomous vehicle, focusing on perception and deployment with YOLO, ROS, and Python. The vehicle competed at Formula Student AI in Silverstone, UK.

Education

- Sept. 2022 – June 2026 (4th Year) **B.S. in Artificial Intelligence, University of Vigo**, Ourense, Spain
Relevant coursework: machine learning, deep learning, computer vision, reinforcement learning, databases, and software engineering.

Languages

Spanish Native
English B2