



Gonzalo Valero Domingo

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MSc Candidate in Robotics & Computer Vision specializing in Deep Learning. Committed to developing robust and efficient R&D software solutions using C++ and Python.

PROFESSIONAL EXPERIENCE

Aquiles Solutions

February 2025 - July 2025

Data Science Intern

- Developed an automated Machine Learning pipeline using Intelligent Agents (using commercial LLMs) to process data, train predictive models, and generate business analytics for decision-making.

Ringo Valvulas

May 2023 - July 2023

Software Engineer Intern

- Designed robust C# software architectures for real-time data management and processing, ensuring system reliability in critical production environments.

LANGUAGES AND TECHNOLOGIES

- Actual Focus:** LLMs, CNNs, TCNs, Transformers and Artificial Vision.
- Languages:** C++, Python and Java (Advanced); C, C#, Haskell and Golang
- Software & Infrastructure:** Docker, Kubernetes, ROS2, MATLAB, SLAM and WebSockets.
- Databases:** Postgres, MySQL, MongoDB and Oracle.
- Tools:** Git (version control), Logfire (Intelligent Agent monitorization) and LaTeX.

EDUCATION

Escuela de Ingeniería y Arquitectura, Unizar

Upcoming 2027

MSc Robotics, Graphics and Computer Vision

Escuela de Ingeniería y Arquitectura, Unizar

2021-2025

Computer Science Degree (Honours in 4 subjects)

IES Pilar Lorengar

2015-2021

Secondary Education in a multilingual English and French section

RELEVANT PROJECTS

- Mobile Robotics Project (Honours): Full construction of autonomous robots using sensory integration, SLAM, tracking algorithms, and autonomous navigation.
- Computer Vision (Honours): Development of Deep Learning models for object classification, detection, and segmentation.
- Current development of a custom Python library for point cloud generation and LiDAR data processing.

INTERNATIONAL EXPERIENCES

EncomTop English Project

2024

Universidad de Zaragoza, Unizar

- Project in collaboration with universities worldwide to develop a solution for one of the UN's sustainable development goals. Communication in English with students from different countries.

French Exchange Programs

2018

IES Pilar Lorengar

- Long-term academic exchange in France (Bagnères de Luchon) during secondary education, featuring a full cultural immersion living with a host family.

SKILLS

- English B2, Cambridge (Studying for C1 level).
- Spanish Native Speaker.
- French B2, Escuela Oficial de Idiomas (EOI).
- Basketball Team Captain, Leadership&Teamwork skills