

Francisco José Delicado González

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Education

Maastricht University

M.Sc. in Artificial Intelligence.

Maastricht, Netherlands

September 2025 - Present

Research Project: *Privacy-Preserving IoT Orchestration with a Local Multimodal Agent*. Developed and evaluated a local multimodal AI agent for natural-language IoT orchestration using **Qwen3.6-27B**, **MQTT**, and **physical STM32 sensors**, achieving **92.3% task success across 299 benchmark prompts**.

University of Alicante

B.Eng. in Software Engineering.

Alicante, Spain

September 2021 – June 2025

Thesis: *AI Model Development for Question Selection in Blooming Platform*.

Experience

1MillionBot

Alicante, Spain

Full Stack & AI Developer

October 2024 – February 2026

- Built and maintained production conversational AI solutions for enterprise clients, integrating **LLMs, RAG, NLP pipelines, APIs, and automation**, contributing to an almost **70% reduction in customer-support calls**.
- Developed and shipped full-stack AI features including appointment booking, knowledge-based assistants, and **TTS/STT voice interactions**, collaborating across the complete software delivery lifecycle.

Maastricht University, Precision Medicine

Maastricht, Netherlands

Research Software Engineer

February 2026 – Present

- Developing clinical evaluation tooling for a **deep learning-based lung tumor segmentation system**.
- Own the **end-to-end development lifecycle of research web applications**, from architecture and implementation to deployment, maintenance, debugging, and continuous iteration with researchers.

ASML, BI&A Department

Eindhoven, Netherlands

AI Engineer Intern

September 2026 – Present

- Researching and developing an **AI-driven solution to improve internal engineering workflows**, covering problem validation, solution design, **PoC development**, and **evaluation**.

Skills & Interests

Technical Skills

- Languages**: Python, TypeScript/JavaScript, SQL
- Software Engineering**: Node.js, FastAPI, Angular, Vue, REST APIs, PostgreSQL
- AI/ML**: LLMs, RAG, NLP, PyTorch, scikit-learn
- Cloud & DevOps**: Azure, GCP, Databricks, Docker, CI/CD, Git/Github

Awards & Activities

Innovation Banking Hack Fest '23 (Banco Sabadell).

Alicante, Spain

Team Lead

October 2023

Led project scope and delivery for an AI solution; delivered final pitch; won **Best AI-Based Project**.

CENID (University of Alicante)

Alicante, Spain

NLP Lab Residency (Award Recipient)

March 2024

Completed a 1-month residency awarded via Banco Sabadell Hackathon; built a Valencian text+speech corpus and prototyped an NLP knowledge-acquisition task with ML/DL fundamentals.