

PERSONAL DATA

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WORK EXPERIENCE

SINCE JAN 2025	AI & Fullstack Developer at San Juan De Dios, Málaga Developed Fullstack projects with a Next.js frontend and a Django (Python) backend, leveraging AI services like Whisper and Ollama to transcribe patient consultations into text and structure them into formatted tables.
2023-2025	Hostess at Clave Azafatas, Málaga Providing event support, customer service, and logistical coordination for various types of events.
2022	IT Consultant for a Self-Employed Client, Málaga Configured and optimized email systems, set up and maintained local network infrastructure, and provided IT support to enhance their business operations.

EDUCATION

2024 - NOW	Master in Artificial Intelligence, International University of La Rioja (UNIR) Expected graduation date: July 2025
OCT - DEC 2024	University Expert Diploma in Reverse Engineering and Malware Intelligence, GSEC Málaga Diploma developed by NICS Lab (UMA) and VirusTotal, in collaboration with Google, to train experts in a highly specialized cybersecurity field.
2019 - 2024	Computer Science and Mathematics, University of Malaga (UMA) Average grade: 7.04/10 — Honor: <i>Information Systems for the Internet</i> (9.20/10)

PROJECTS

Master thesis	Ongoing research combining cybersecurity and artificial intelligence , focusing on developing AI-driven tools for enhanced threat detection and malware analysis.
Bachelor thesis	Development of a Web Application for Order Management in Bars and Restaurants: This project focused on creating a web application for real-time order management, menu organizers for establishments, and menu visualization. Built with React (frontend), NestJS (backend), and PostgreSQL (database), integrating WebSockets for real-time updates and Google authentication for secure access. Graded 9.00/10. https://github.com/arturoaguileraa/buche
Bachelor thesis	Mathematical Paper on Integration in Manifolds and Stokes' Theorem: This project explored the theory and application of integration in manifolds and provided an in-depth analysis of Stokes' theorem. https://www.arturoaguilera.es/TFG-Aguilera-Gonz%C3%A1lez-Arturo.pdf
VTSearch	Developed an AI-powered translator from natural language to Virus Total (Google Thread Intelligence) query language. The project integrates both local AI models and Gemini AI, leveraging Pydantic for structured query validation. Built with a Next.js frontend and a FastAPI (Python) backend. https://github.com/arturoaguileraa/vtsearch

SKILLS

- **Programming:** Python, C++, TypeScript, Java, JavaScript, Assembler.
- **Web Development:** Next.js, React, Angular, Node.js, NestJS, Express, FastAPI, Django, PostgreSQL, MongoDB, Docker.
- **Cybersecurity:** Reverse engineering tools (FRIDA, IDA Pro, PESTudio, Detect It Easy), malware analysis (Cuckoo Sandbox), and cybersecurity fundamentals.
- **Networking & OS:** TCP/IP, Firewalls, VLANs, Linux & Windows administration.
- **Artificial Intelligence:** Whisper, Ollama, Gemini, LangChain, scikit-learn.
- **Other:** Virtualization (VMware), scripting (Windows/Linux), SQL databases.
- **Languages:** Native Spanish, fluent English.