



Álvaro DE CASTRO

📍 Alpes-Maritimes (06)

✉️ **Telecommunications** engineer with a master's degree in **Cybersecurity** and skills in **Artificial Intelligence**. Results-oriented, autonomous, resilient and with a strong team spirit. I am currently looking for a **CDI** in the fields of **Network engineering**, **Cybersecurity**, or **AI** starting in mid-January.

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🌐 <https://alvarodecastro.com/>

💻 <https://github.com/Zempui>

🗣️ **Langues:**

- *Spanish* - Native
- *English* - C2
- *French* - C1

Skills

⚙️ Technical Skills:

- **Programming:** Python, MATLAB, Java, C, SQL
- **Networks:** TCP/IP, VPNs, DHCP, SSH, FTP, SNMP, LAN/WAN
- **Technologies:** Linux, AWS, Wireshark, SAP BTP, GenAI, Git, Docker, VMWare

👤 Soft Skills:

Curiosity – Autonomy – Leadership – Proactivity

Teamwork – Interdisciplinary communication
Analytic spirit – Organisation – Stress management

Studies

2024–26	Master's degree in Computer Science, Digital Security track EURECOM · Valbonne, France 
	Note: Elected as students' representative Competences: Security, Cloud, Networks, Systems, Project management
2023–26	Master's degree in Telecom. Engineering UNIVERSIDAD POLITÉCNICA DE MADRID (UPM) · Madrid, Spain 
	Competences: Computer science, Telecommunication systems, Electronics
2018–23	Bachelor's degree in Telecom. Engineering UNIVERSIDAD DE SEVILLA (US) · Seville, Spain 
	Competences: Networks, Computer science, Telecommunications

Courses and Certifications

2025	AWS Certified AI Practitioner CERTIFICATION · AWS 
2025	AQtive Guard Certified Practitioner CERTIFICATION · SandboxAQ 
2025	Trend Vision One AI Security Foundation COURSE · Trend Micro 
2023	5G Networks and Cybersecurity COURSE · UPM 

Experience

2025–26	Security and Resiliency (S&R) Intern KYNDRYL · Valbonne, France 
	Intern for 6 months. Development of a <i>comparative study of LLM security tools and methods</i> (Giskard, SAP's STARS, DeepTeam). Analysed the relevance of Homomorphic Encryption (FHE) and the transition to Post-Quantum Cryptography (PQC). Competences: AI (ML, GenAI, Agentic AI), Cryptography (PQC, FHE), Python
2022–23	Board member - Telematics director ESIBOT · Seville, Spain 
	I became director of the telematics department of ESIBOT, a robotics students association. I directed tasks such as the design of the internal network or the organisation of several events and projects, leading teams of up to 10 people at once. Competences: Leadership, team and project management, organisation.

Projects

2026	LLM Security , <i>Internship report</i> .
2025	UBIFS-Explorer , <i>Computer Forensics Project (EURECOM)</i> ▶ Python tool for analysing, exploring and extracting the contents of UBIFS images.
2025	Advanced Communications for Content Delivery Networks (CDN) , <i>Semester project at EURECOM</i> ▶ Study and MATLAB simulations to understand CDNs.
2024	Chamiwi , <i>Award-wining project presented at Fundación Telefónica's Hack for Good hackathon.</i> ▶ PoC of a conversational agent for elderly people.
2023	Spotify Playlist Generator , <i>Personal project</i> ▶ Python tool for automatically generating Spotify Playlists.
2023	Virtual Laboratory Deployment Tool using Docker , <i>Bachelor's thesis at US</i> . Source code . ▶ Python tool for orchestrating the deployment of different scenarios using Docker images.

Interests

Volunteering	Volunteer, Seville food bank, 2015 – 2018.
Sports	Climbing, rugby and running (Seville night race, <i>Courir pour une fleur</i> , Antibes Urban Trail).
Reading	I read often, I love the classics such as Camus, Balzac or Saint-Exupéry.