



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

## Courses and Certifications

2025	<b>AWS Certified AI Practitioner</b> CERTIFICATION · AWS 📄	
2025	<b>AQtive Guard Certified Practitioner</b> CERTIFICATION · SandboxAQ 🔒	
2025	<b>Trend Vision One AI Security Foundation</b> COURSE · Trend Micro 🔒	
2023	<b>5G Networks and Cybersecurity</b> COURSE · UPM 📶	

## Experience

2025–26	<b>Security and Resiliency (S&amp;R) Intern</b> 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). <b>Competences:</b> AI (ML, GenAI, Agentic AI), Cryptography (PQC, FHE), Python
2022–23	<b>Board member - Telematics director</b> 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. <b>Competences:</b> Leadership, team and project management, organisation.

## Projects

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

## Interests

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