Jorge Alías Álvarez

Data Scientist and Engineer | Network Engineer

Double-degree student: Data & Telecommunications Engineering | Data Science & Engineering focus

Gijón, Principality of Asturias, Spain　|　20 years old

LinkedIn　|　jorgealias.me

Professional summary

I am an engineering student at the **Escuela Politécnica de Ingeniería de Gijón** (University of Oviedo) pursuing a structured **double degree in Data Engineering and Telecommunications Engineering** (2024–present). Alongside coursework, I take on responsibility in student aerospace projects, non-profit association web delivery, and time-boxed competition environments—settings that require both technical depth and clear stakeholder communication.

My interests sit at the intersection of **data science**, **telecommunications / networking**, and **software delivery**. I enjoy translating requirements into maintainable implementations: whether that is contributing to control/ground-station workflows in a university rocketry/aerospace initiative, shipping and operating a public-facing site with CRM and API integrations, or coordinating technical work for an educational competition team. I am comfortable owning milestones, documenting trade-offs, and iterating under real-world constraints (hosting, dependencies, security updates).

Education

Double degree: Data Engineering & Telecommunications Engineering

2024 – Present
Escuela Politécnica de Ingeniería de Gijón, Universidad de Oviedo — Gijón, Asturias, Spain.

Representative themes: probability and statistics; machine learning fundamentals; data mining and visualisation; signal processing; communications systems; network protocols and security. The programme provides the theoretical backbone for my applied roles in robotics-related tooling (e.g. ROS 2), data workflows (Python, R), and network-oriented engineering tasks.

Experience & leadership

4Space Uniovi — Software / Network Engineer (aerospace & robotics student team)

*September 2025 – Present　Official title from October 2025: **Software Network Engineer***
Organisation context: aviation & aerospace component manufacturing; partnership; small team (1–10); engineering & technical department.

Roles and progression: member of the **Control, Communications & Ground Station (GS)** section from September 2025; **Head** of that section from **January 2026**. The dual framing reflects on-the-ground membership and leadership responsibility for subsystem coherence.

- Lead the Control, Communications & Ground Station stream: interface design between subsystems, operational trade-offs, and coordination with peers in a compact multidisciplinary team.
- Apply software and networking skills to integration tasks relevant to mission tooling—consistent with a specialist engineering profile.
- Operate in a context that combines robotics-oriented practice (middleware, integration) with telecommunications thinking (links, protocols, reliability).

AsturTalent Uniovi — Web Manager

September 2025 – Present　Principality of Asturias, Spain
Organisation profile: professional training & coaching; partnership; founded 2024; 11–50 employees; engineering & technical department; manager level.

- Own the **official association frontend**: implementation, iteration, and alignment with organisational messaging and programmes (e.g. events such as hackathons and skills-oriented initiatives

promoted by the association).

- Integrate **CRM** processes, **third-party APIs**, and stable **hosting**: keep dependencies current, reduce operational risk, and preserve a maintainable architecture as content and integrations evolve.
- Balance developer ergonomics (tooling, structure) with non-technical stakeholders' needs—typical of small associations with public visibility.

Reality Escape Games — IT Project Manager / Technical Lead

October 2025 – January 2026
Context: educational / entertainment; small organisation (1–10); project management track with emphasis on technical leadership for competition delivery.

- Coordinated technical execution and delivery timelines for projects under competition pressure, aligning software/IT work with team objectives.
- **Result:** with the team, **3rd place** at **Santander Explore** (October 2025), validating end-to-end delivery and presentation under event constraints.

Technical skills

Programming & robotics (self-assessed levels)
- **Python — Proficient:** primary language for coursework, data-oriented scripts, and tooling.
- **ROS 2 — Intermediate:** robotics middleware for student aerospace and robotics integration.
- **R — Foundational:** statistics and analytics coursework.

Data science & analytics
Machine learning; statistical analysis; data visualisation; big-data concepts; data mining.

Telecommunications & networks
Network protocols; signal processing; wireless communications; network security—aligned with the telecommunications axis of the degree and the network-engineering emphasis at 4Space.

Web systems & operations
Frontend development; CRM; REST/API integration; hosting; dependency and release hygiene; lightweight architecture decisions suitable for small teams.

Additional professional keywords
Software development; project management; CRM; APIs; hosting; architecture.

Languages

- **Spanish** — Native or bilingual.
- **English** — C1; full professional proficiency.
- **French** — B1; limited working proficiency.

Soft skills

Consistency & resilience — sustained focus on long-horizon goals.
Communication — clear explanations across technical and general audiences; constructive promotion of ideas within teams.
Adaptability — moving between engineering, web operations, and event-driven deadlines.

Motivations & interests

Innovation — applying data and telecom tools to concrete problems.
Continuous learning — staying current with ML, networking, and software practice.
Connectivity — curiosity about how infrastructure and data shape society.

Personal interests: programming; robotics; philosophy; reading; fitness; entrepreneurship.

Content aligned with the public portfolio at jorgealias.me (March 2026). No photograph is included by design.