Alejandro Barroso Bueso

qrsume.com/barroso

EDUCATION

Dual Degree in Data Science Telecommunication Engineering **2022-present**
University Carlos III of Madrid

Exchange Program in Computer Science and Electrical Computer Engineering **2024-2025**
Purdue University

Exchange Program in Information Technology **2026**
University of Technology Sydney

American High School Dual Diploma **2020-2022**
Academica

Course in JavaScript, PHP and MySQL Programming **2020-2022**
University of Salamanca

WORK EXPERIENCE

Hospitality - Catering Assistant, Sydney, Australia **2026(4months)**
Worked in fast-paced hospitality and catering environments while studying abroad, developing adaptability, teamwork, customer communication, and responsibility in multicultural settings.

XRLab Intern, Nokia **2025(4months)**
Evaluated the potential of virtual reality technologies to support individuals with mental disabilities through human-centered and accessibility-focused engineering approaches. Collaborated in multidisciplinary environments combining technology, communication, and social impact.

Creator Designer for Small Businesses, Freelance Web Developer **2022-2024**
Designed and developed websites for small businesses, combining technical development with client communication, branding, and user-focused design. Worked directly with clients to transform ideas into functional and visually engaging digital platforms.

Extracurricular English Mathematics Teacher, Instituto Torrente Ballester **2023-2024**
Taught and mentored more than 25 students in English and Mathematics, helping improve academic performance and confidence through supportive and engaging learning environments. Strengthened communication, leadership, and adaptability skills while managing diverse student needs.

SKILLS

- Adaptability and Flexibility
- Leadership Skills
- Time Management
- Problem-Solving
- Expert analytical skills
- Teamwork and Collaboration

LANGUAGES

- Spanish (Native)
- English (C1)

PROJECTS

- **Founder and Web Developer at AISC**
  Founding member and web developer of the Artificial Intelligence Student Collective Madrid (https://asicmadrid.com)
- **Exploratory Data Analysis of Titanic Dataset (R)**
  Exploratory analysis of Titanic passenger data in R to identify survival patterns based on age, sex, fare, class, and travel conditions.

TECHNICAL SKILLS

- General Purpose:(Java, Python, C, Bash)
- Web Development:(HTML, CSS, JavaScript(jQuery), PHP, MySQL)

• Data Science Analytics:(R, RStudio, SQL, Neo4j/Cypher, Spark, PySpark, Hadoop)

• Embedded Systems Hardware:(C, Assembly, Verilog)

BEYOND ENGINEERING

Passionate about travel, padel, multicultural experiences, and meeting people from different backgrounds. I enjoy environments that combine learning, teamwork, and meaningful human connections.