

Javier Ribal del Río

Business Administration & Computer Engineering student at UPV
Project Manager, Software & Firmware • Hyperloop UPV

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I am pursuing a double degree in Business Administration & Management and Computer Engineering at UPV. It is a combination that lets me look at systems from two angles: how they are built, and how they create value. My background spans competitive programming, real-time backend development, and open-source contributions, and I have recently been deepening my data science skills in R, Python, and AI.

EXPERIENCE

Project Manager, Software & Firmware • Hyperloop UPV

Sept 2026 – Present

Lead planning and coordination for the Software and Firmware areas of the team, which builds Hyperloop technology to compete at the European Hyperloop Week.

Backend Engineer • Hyperloop UPV

Sept 2025 – Sept 2026

Built a [Go](#) real-time backend application for the university team competing at the European Hyperloop Week. Responsible for network communication over [TCP](#) and [UDP](#) using the team's own protocol, data handling, and performance optimization in a high-demand technical environment.

EDUCATION

Bachelor's Degree in Computer Engineering

2024–2029 (expected)

Universitat Politècnica de València (UPV), ETSINF. Academic record: 8.8/10.

Bachelor's Degree in Business Administration and Management

2024–2029 (expected)

Universitat Politècnica de València (UPV), FADE. Academic record: 8.5/10. Both degrees studied concurrently as a dual-degree programme.

Blended Intensive Programme (BIP) • Europe's Creative Futures

January 2025

An international programme bringing together students from several European universities to develop innovative business projects in multicultural teams. Awarded the Sustainability Award for the team's project.

Science-Technical Baccalaureate

2024

Colegio Salesianos San Juan Bosco, Valencia. Graduated with Distinction (*Matrícula de Honor*).

RECOGNITIONS AND AWARDS

Honorary Diploma, CodeWars 2025: first place in the second-year undergraduate category at CodeWars 2025, a programming competition hosted at ETSINF.

Honorary Diploma for "Sentinel", 8th ETSINF Project Fair (UPV), 2025: awarded to *Sentinel*, an app that analyzes and monitors public opinion on social media around a keyword, for being the most highly rated project by the public.

FEATURED PROJECTS

Quit: a lightweight CLI tool for the Linux terminal to shut down, restart, or suspend the computer, with support for timed shutdowns. Written in [Bash](#) and published on the Snap Store, where it has passed 500 installs. [snapcraft.io/quit]

Hypervisor: a full-stack real-time telemetry platform built for Hyperloop UPV's public demos. It captures live packet data from the pod over the network and streams it to a dashboard via [Server-Sent Events](#). [github.com/Hyperloop-UPV/Hypervisor]

PAU Exam Grades, Comunitat Valenciana: a statistical and econometric analysis of how grades in the PAU university-entrance exam have evolved over time, packaged as an interactive [Shiny](#) app built with the [Golem](#) framework and deployed on Posit Connect. [[live app](#) • [code](#)]

Accounting Journal & Ledger: an Obsidian plugin for recording double-entry accounting journal entries and ledgers directly in [Markdown](#), built for classroom use. It supports the traditional Spanish *libro diario/mayor* layout and T-account-style ledgers, rendering them as clean [HTML](#) previews. [github.com/JavierRibaldelRio/accounting-journal-ledger]

SKILLS

Technologies. [JavaScript](#), [React](#), [D3.js](#), [Node.js](#), [Express](#) • [C++](#) • [Python](#), [Flask](#) • [Go](#) • [Java](#), [Android Studio](#) • [R](#), [Shiny](#), [Quarto](#) • [SQL](#), [PostgreSQL](#), [MongoDB](#) • [TCP/UDP networking](#) • [Linux / Raspberry Pi](#), [Bash](#) • [Git](#) & [GitHub](#)

Business & economics. Financial accounting • Micro- and macroeconomics • Econometrics • Business statistics • Financial mathematics

Soft skills. Team leadership • Project coordination • Multidisciplinary teamwork • Clear communication

CERTIFICATIONS AND LANGUAGES

Certifications. CS50 (Harvard) • Getting Started with Go (UC Irvine) • Supervised Machine Learning (Stanford) • Network Security (Cisco)

Languages. English: C1 certified • Spanish: native • Catalan/Valencian: native, C1 certified