Rubén Jiménez Reina
Junior Engineer

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Education

Bachelor in Computer Science Engineering
Universidad de Málaga, Spain   2019 - 2025

Erasmus
Politechnika Warszawska, Poland   2023

Relevant projects & achievements

Notable Academic Achievements
- Bachelor Thesis (9.5/10)
- Networks and Distributed Systems (9.5/10)
- Adaptive Image Recognition (10/10)
- Neural Network Compression with Applications (10/10)
- Machine Learning (10/10)
- Systems Programming and Concurrency, with honors
- Introduction to Software Engineering, with honors

Open Source contributions & Projects
14k downloads across personal projects: Veil cryptography suite, Dupper, Huey, Blash, Dosr, Elk Lang.

Contributions: Implemented a series of schedulers for the **burn** rust machine learning framework.

Outstanding bachelor thesis (2025)
Implemented a machine learning model to estimate the variance of depth maps in order to combine multiple sources of information intelligently. Outstanding grade of 9.5/10

JunctionX Málaga winning team (2023)
Developed a steganography-based traceability system using fingerprinting techniques for digital content protection. Advanced to world finals in Finland.

Erasmus master's courses (2023)
Took master's courses in **Adaptive Image Recognition** and **Neural Network Compression with Applications** during my Erasmus, in which I implemented and trained a monocular depth estimation model, obtaining outstanding grades of 10/10 in both courses.

Nvidia Deep Learning Institute certifications (2021)
Obtained certifications by the Nvidia Deep Learning Institute in **Fundamentals of Deep Learning** and **Fundamentals of Accelerated Computing with CUDA C/C++**.

Languages
- **Spanish:** Native
- **English:** Professional proficiency
- **German:** Beginner

Tools & Skills

Programming languages
- **Rust:** Advanced, since 2020
- **Python:** Advanced, since 2018
- **Java:** Advanced, since 2019
- **JS & TS:** Fluent, since 2019
- **Others:** C/C++, C#, Kotlin, Haskell

Web
- SQL & NoSQL
- Redis
- SpringBoot
- Axum
- FastAPI
- WebSockets
- API REST & RPC
- Svelte
- Vue.js
- Angular
- Preact

Machine Learning
- PyTorch
- Pandas & Polars
- Lightning
- Optuna
- Computer Vision
- ONNX

Others
- Linux
- Docker & Podman
- DevOps
- Security
- Data science
- Robotics