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Languages

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

Tools & Skills

Programming languages

- **Rust:** Advanced
- **Python:** Advanced
- **Java:** Advanced
- **JS & TS:** Fluent
- Others such as C/C++, C#, Haskell

Web

- Database modeling and management
- Authentication and Authorization
- API REST and RPC
- API and data security
- Backend architecture
- Real time applications
- Performance
- Frontend

Machine Learning

- Model design
- Data engineering
- Training
- Deployment
- Computer Vision

Others

- Linux
- Containers
- DevOps
- Security
- Data science
- Robotics

Education

Bachelor in Computer Science Engineering

Universidad de Málaga, Spain

2019 - 2025

Outstanding Bachelor Thesis

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

Erasmus

Politechnika Warszawska, Poland

2023

Master's Courses

Took master's courses in computer vision and advanced machine learning, obtaining outstanding grades of 10/10 in both courses.

Notable Academic Achievements

- Outstanding 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

Relevant projects & achievements

Open Source contributions & Projects

14k downloads across a variety of open source personal projects.

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

JunctionX Málaga winning team (2023)

Developed a steganography-based traceability system using fingerprinting techniques for digital content protection. Advanced to world finals in Finland.

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++**.