

Ivan Romero

📍 Barcelona, Spain ✉ iromero.py@gmail.com ☎ +34 620 77 25 73 🌐 ivan-romero-moreno
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About Me

I am a Software Engineer with over 3 years of experience in backend development, machine learning, and distributed systems. I'm passionate about building end-to-end applications and enjoy working on projects in tech environments. I have a strong foundation in Python, Django, relational databases and production deployments. I am currently completing a Master's degree in Advanced Telecommunications Technologies, specializing in Deep Learning for Multimedia Processing. Eager to tackle the next challenge and learn new technologies and methodologies.

Experience

Backend Engineer

Serimag

Barcelona, Spain

July 2024 – present

- Developed a high-availability authentication service handling over 30,000 daily requests for ING.
- Led a team of 3 engineers in delivering backend apps and REST APIs for banking institutions projects.
- Worked extensively with MySQL InnoDB clusters and database replication for high availability.

AI/ML Developer (Intern)

Serimag

Barcelona, Spain

Jan 2023 – July 2024

- Built deep learning services for document classification and information extraction in the banking sector.
- Designed a multi-class classification model for 50+ document types, deployed in production for ING.

Web Developer

Bandalux

Barcelona, Spain

June 2021 – Sept 2021

- Developed different features for a web-based inventory management application for company operations.

Education

Polytechnic University of Catalonia

MSc in Advanced Telecommunications Technologies

Barcelona, Spain

Sept 2024 – present

Major in Deep Learning for Multimedia Processing

- Worked on Language Modeling, Speech Recognition and Computer Vision projects.

Polytechnic University of Catalonia

BSc in Telecommunications Engineering

Barcelona, Spain

Sept 2018 – Jan 2024

- Specialized in Multimedia Processing.

Projects

[BCNeMotorsport Autonomous Vehicle](#)

Sept 2021 – Jan 2022

Participated in the design and development of an autonomous Formula Student vehicle.

- Focused on computer vision systems using LiDAR and cameras for track limit detection.

Skills

Programming: Proficient with Python, and Git; good understanding of REST API, app development, and DevOps

Technologies/Frameworks: Django; MySQL; Nginx/Apache2; Docker; Git; Linux; PyTorch, Scikit-learn

Languages: English (fluent), Spanish (native), Catalan (native)