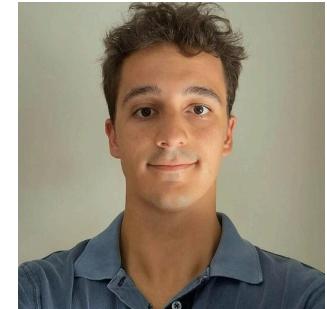


Arnau Muñoz Barrera

Computer Engineer | Data Science



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I am evolving my full-stack background toward **Data Science**, focusing on extracting value from complex, real-world data systems. Through building scalable backends, data pipelines, and analytics-driven dashboards, I've developed a strong foundation in data modeling and processing. My goal is to deepen my expertise in data analysis, machine learning, and data-driven decision making.

EXPERIENCE

Energiot Devices S.L.
Full Stack Engineer

Barcelona, Spain
February 2025 – May 2026

- Designed and developed **scalable full-stack services**, optimizing data flow and persistence using Supabase, Prisma, and Upstash, improving data access latency and system reliability.
- Implemented **end-to-end APIs** from scratch for IoT devices, enabling reliable data ingestion, processing, and integration of high-frequency sensor data.
- Built dynamic dashboards and interactive maps to visualize complex datasets, facilitating data-driven decision making and improving user understanding of system behavior.
- Optimized backend architectures to handle growing **data volumes**, focusing on performance, consistency, and scalability in real-time environments.
- Integrated user-centric features with **data analytics foundations**, bridging full-stack development with Data Engineering and Data Science-oriented workflows.

ACADEMIC FORMATION

UNIVERSITAT AUTÒNOMA DE BARCELONA
Computer Engineering

Barcelona, Spain
2022 - 2026

HACKATON - UABTHEHACK
Winner

Barcelona, Spain
November 2025

LANGUAGES

- C1 Certified level: **English**.
- Native: **Spanish & Catalan**.
- Beginner: German