Sergi Flores Marín

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About

- I am a passionate AI student with a strong interest in robotics, machine learning, and natural language processing. I actively work on self-driven projects and hackathons to apply my skills and learn new technologies. Eager to gain real-world experience and start my career in the tech industry

Education

ARTIFICIAL INTELLIGENCE BACHELOR'S DEGREE

- FIB - Universitat Politècnica de Catalunya | 2023 – 2027 expected

BACCALAUREATE IN SCIENCE

- Institut de Celrà | 2017 - 2023

Skills

- **Proficient at:** | Python | R | scikit-learn | git |

- **Familiar with:** | ML | C++ | Data Structures | MATLAB | ROS | HTML | CSS | JavaScript | PostgreSQL |

- **Languages: |** English - First Certificate (B2) | French - DELF (B1) | Spanish (C1) | Catalan (C1) |

Experience

WAREHOUSE OPERATOR | TRADEINN | 06/2024 – 09/2024

- Working in a warehouse has helped me develop valuable teamwork, problem-solving, and time-management skills, while also providing me valuable experience in a professional setting.

Hackathons

1st PRIZE | BITS X LA MARATÓ BSC CHALLENGE| DECEMBER – 2024

- Won the Barcelona Supercomputing Center Challenge by developing a machine-learning-based solution to downscale air quality data to street-level resolution in Catalonia.

2nd PRIZE | HACKUPC SEAT S.A. CHALLENGE | MAY – 2025

- Developed an AI-powered chatbot with an interactive image-based query system to help users navigate car manuals. Utilized a RAG pipeline for context-aware responses.

OTHERS | Datathon FME 2023 (Bcn, 11-23) **|** HackUPC 2024 (Bcn, 05-24) | HackEPS (Lleida, 11-24) |

| GreatUniHack (Manchester, 11-24) | Datathon FME 2024 (Bcn, 11-24) | LauzHack (Laussane, 12-24) |

| Global Game Jam (Bcn, 01-25) | HackUAB (Bcn,03-25) | HackUPC 2025 (Bcn, 05-25) |

Projects

SEMPRE VISIBLES

Created a machine-learning-based solution to downscale air quality data from BSC's CALIOPE system to street-level resolution, integrating traffic data across Catalonia.

CAR-MAN

Created an AI-powered chatbot and integrated an interactive image-based query system to assist users in navigating car manuals, using a RAG pipeline.

DATAMATCH

I developed a machine learning powered website to help users find teammates for hackathons. I mainly contributed on the backend.