

Antonio Caballero Carrasco

Computer Engineer · Software Development · AI Solutions · Natural Language Processing

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PROFILE

Computer Engineer focused on software development and data solutions. I work as a technology consultant in the financial sector, designing and building software solutions powered by Artificial Intelligence. Working in banking gives me a business perspective that complements my technical profile, without claiming to be a domain expert. My technical focus is artificial intelligence (machine learning, deep learning, NLP) and high-performance computing in C/C++ with MPI, OpenMP, CUDA and OpenCL.

EXPERIENCE

External Consultant

Apr 2026 — Present

BBVA · via Nfq Advisory, Solutions, Outsourcing

- Design and development of a web application that provides an interface to visualize data lineage in CIB's Transaction Reporting area.
- Design and development of a dashboard that monitors processing load across the team's internal platforms, enabling quick visual analysis.
- Development of an API with Python and FastAPI, and a React frontend.
- Integration with Oracle SQL and MongoDB databases.
- Collaboration on an internal initiative to build a Knowledge Base for adopting the KDD paradigm.

Associate

Sep 2025 — Present

Nfq Advisory, Solutions, Outsourcing

- Software solutions for reconciliation in Factoring and process planning.
- Internal initiative to adopt generative AI (LLMs) and define best practices.

Research Intern

Feb 2025 — Apr 2025

University of Extremadura · ARCO Research Group

- Machine Learning for imputation of missing data in biological sequences.
- Automation of the bioinformatics pipeline in Python (Scikit-learn, BioPython, ETE3).

EDUCATION

Master's in Language Technologies

Oct 2025 — Present

National Distance Education University (UNED)

BSc in Computer Science — Computer Engineering track

Sep 2018 — Jul 2025

University of Extremadura

Final project (Grade: 10/10): Machine Learning for imputation of missing data in biological sequences.

Natural Language Processing (NLP)

Jan 2025 — Feb 2025

University of Extremadura

Introduction to Machine Learning and Deep Learning

Nov 2024 — Dec 2024

University of Extremadura

Introduction to Quantum Software Development

Jun 2024 — Jul 2024

University of Extremadura

TECHNICAL SKILLS

Languages: C · C++ · Python · TypeScript

Web & APIs: FastAPI · Pydantic · React · Vite · Astro

AI & ML: Machine Learning · Deep Learning · PyTorch · NLP · LLMs

Data: Data Lineage · Data Governance · Knowledge Graphs

HPC: OpenMP · MPI · CUDA · OpenCL

Tools: Git · Linux

LANGUAGES

Spanish — Native English — B2