

DAVID FEIJÓO

+34 628 793 505 | davidfeijoo23@gmail.com | linkedin.com/in/david-feijoo-rodriguez | davidfeijoo.com

WORK EXPERIENCE

Technology and Innovation Analyst

Jul 2025 – Present

European Central Bank (ECB)

Frankfurt am Main, Germany

- Azure AI ML studio integration (ML Ops) on an enterprise-wide secure application.
- Project management and development of AI prototypes with agentic architectures for operational use cases.
- Pipeline dev for anonymization of financial data while preserving data utility for research & model training.

GenAI System Developer

Feb 2024 – Sep 2025

Overlay

Copenhagen, Denmark

- Engineer at a start-up developing LLM Agents using RAG and actions through tools.
- Mainly using LangChain for development and Google Cloud Platform for deployment.

Teaching Assistant

Sep 2024 – Dec 2024

Technical University of Denmark (DTU)

Copenhagen, Denmark

- Teaching "Operations Research" university students complex topics related with optimisation subjects.

Research Assistant

Feb 2023 – Jul 2023

Signal Processing Department of the University of New South Wales (UNSW)

Sydney, Australia

- Working on development and implementation of pipelines using parallelisation on cloud resources.
- Self-acquired important knowledge in Data Processing techniques and Python and PyTorch.

EDUCATION

Technical University of Denmark (DTU)

Jan 2024 – Aug 2026

MSc in Mathematical Modelling and Computation (GPA: 10.5/12)

Copenhagen, Denmark

- **Focus:** Applied mathematics with practical approaches to Optimization, Machine Learning, and NLP.
- **Coursework:** Quantitative Optimization (Integer Programming, Metaheuristics), Computational Modelling, High-Performance Computing and Data Science.

Polytechnical University of Catalonia (UPC)

Sep 2019 – Jul 2023

BSc in Telecommunications Technologies and Services Engineering

Barcelona, Spain

- **Focus:** Comprehensive engineering foundation combining telecommunications infrastructure, advanced signal processing, software development, and ICT management.
- **Bachelor's Thesis at University of New South Wales (UNSW) - Sydney (GPA: 9.7/10)**
Independent research and development of Deep Neural Networks (DNNs) for Speech Emotion Recognition.

PROJECTS, AWARDS & CERTIFICATIONS

Master's Thesis | *Technical University of Denmark & European Central Bank*

Jan 2026 – Jul 2026

Quantifying Geopolitical Risk using Advanced Natural Language Processing: A focus on energy shocks

- Applying advanced NLP techniques to extract geopolitical risk indicators from unstructured text data and analyse the impact of these systemic shocks on global energy markets to support macro-financial strategy.

CERN ATTRACT Program | *EU Financed project*

Sep 2022 – Jan 2023

- Developed solutions to systemic societal problems using CERN technologies.
- Awarded the **Best Systemic Solution** out of more than 100 entries in the program's 10-year history.

Financial Markets | *Yale University (Online)*

2023

- Online course about risk management and finance principles explaining the functioning of financial markets.

TECHNICAL SKILLS

Python, MS Azure, MATLAB, R, Java, C, MS Office, PyTorch, LangChain, Julia, Git

LANGUAGES

Native: Spanish, Catalan | **Professional:** English (C2) | **Learning:** Italian (B2), Danish (Module 3)

INTERESTS & VOLUNTEERING

Interests: Geopolitics, AI, Operations Strategy Research, Padel, Sailboat skipper

Volunteering: UNIRAID volunteer in Morocco (2022), Catalan coast conservation (2019–2020)