

JESÚS DE LA FUENTE CEDEÑO

+34 629 568 428 jdlfuentec jfctelecomm jesusdfc gscholar jdlfuentec

EXPERIENCE

Softvision AI Quantitative Researcher	March 2025 - Current Prague (Remote)
SonyAI Research Scientist Intern	Sep 2024 - Feb 2025 Barcelona
• Integrated large language models (LLMs) with graph-based machine learning models to enhance knowledge-graph embeddings, improving relational reasoning across complex datasets.	
DeepFi (Startup) Quantitative Research Intern	May 2022 - Oct 2022 Madrid (Remote)
• Built a transaction-level backtesting engine and developed mid-frequency liquidity allocation strategies on Uniswap v3, improving risk-adjusted returns by 43% over passive strategies.	

EDUCATION

Center for Data Science, New York University Fulbright Fellowship Ph.D. Researcher	Sep 2022 - Sep 2023 New York
• <i>Research Topics:</i> Adaptive autoencoders for train-test distribution shift. • <i>Advisor:</i> Carlos Fernandez-Granda (Ph.D. Stanford '14).	
Electrical Eng. Department, University of Navarra Ph.D. candidate in Machine Learning applied to Computational Biology	Sep 2020 - Feb 2025 Spain
• <i>Research Topics:</i> Graph Learning, Representation Learning, Bayesian Inference, XAI. • <i>Advisors:</i> Idoia Ochoa (Ph.D. Stanford '16) and Mikel Hernaez (Post-doc Stanford '16).	
TECNUN School of Engineering, University of Navarra B.Eng. & M.Eng: Electrical Engineering	Sep 2014 - 2020 Spain

HIGHLIGHTED PUBLICATIONS

Interpretable Causal Representation Learning for Biological Data in the Pathway Space Interpretable framework with theoretical guarantees	2025
• Poster at AIDrugX , NeurIPS 2024 . Published in ICLR .	
Sweetwater: An interpretable and adaptive autoencoder for efficient tissue deconvolution Autoencoder for train-test distribution shift minimization	2025
• Poster at MLCB 2023 . Published in Nucleic Acids Research .	
Towards a more inductive world for drug repurposing approaches Inductive and transductive node embedding analysis on bipartite graphs	2025
• Oral presentation ($\frac{6}{76}$) at AI4D3 , NeurIPS 2023 . Published in Nature Machine Intelligence .	

SKILLS

Languages Python, R, Linux/Bash, LaTeX, Rust, Solidity.	Machine Learning Transformers, LLMs, Graph Neural Networks, Gradient Boosting, Autoencoders, Knowledge Graphs.
Libraries PyTorch, SciPy, NumPy, Seaborn, Scikit-learn.	DeFi Platforms Uniswap v3, HyperLiquid, Polymarket, dYdX.
Technologies Docker, uv, Poetry, Slurm, Hydra, Git.	Developed Frameworks SENA-VAE , GraphGuest , Sweetwater , TraRe

HONORS AND AWARDS

1. **Kaggle Competitions Expert.** Highest Rank: Top 0.5% (997 of +200,000). 2025
2. **Kumo AI Hackathon:** Ranked 2nd out of 20 competitors. April 2024
3. **Ph.D. Fulbright Fellowship,** 1 year at New York University. **Amount: \$ 41,180** Sep 2022
4. **Navarra's Government Fellowship,** 2 years Ph.D. Funding. **Amount: 68,718 €** Sep 2021-2023