

JESÚS DE LA FUENTE CEDEÑO

+34 629 568 428 [@jdlfuentec](mailto:jdlfuentec) jfctelecomm jesusdfc gscholar jdlfuentec

EXPERIENCE

| | |
|--|---|
| Softvision AI Quantitative Researcher | March 2025 - Current Prague (Remote) |
| SonyAI Research Scientist Intern | Sep 2024 - March 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) |
| • Implemented gradient-boosting models for price-events prediction and dynamic liquidity allocation on Uniswap v3 pools, delivering higher risk-adjusted returns compared to 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, AWS. | 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