

# JESÚS DE LA FUENTE CEDEÑO

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

## EXPERIENCE

|  |   |
|--|---|
| <b>Softvision AI</b><br>Quantitative Researcher  | March 2025 - Current<br>Prague (Remote) |
| <b>SonyAI</b><br>Research Scientist Intern   | Sep 2024 - March 2025<br>Barcelona      |
| • Integrated <b>large language models (LLMs)</b> with <b>graph-based machine learning</b> models to enhance knowledge-graph embeddings, <b>improving relational reasoning</b> across complex datasets. |   |

  

|  |  |
|--|--|
| <b>DeepFi (Startup)</b><br>Quantitative Research Intern  | May 2022 - Oct 2022<br>Madrid (Remote) |
| • Implemented <b>gradient-boosting</b> models for price-events prediction and dynamic liquidity allocation on Uniswap v3 pools, delivering <b>higher risk-adjusted returns</b> compared to passive strategies. |  |

## EDUCATION

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

## HIGHLIGHTED PUBLICATIONS

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

## SKILLS

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

## HONORS AND AWARDS

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