

JESÚS DE LA FUENTE CEDENO

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EXPERIENCE

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|---|---|
| Softvision AI
Machine Learning Quantitative Researcher | March 2025 - Current
Prague (Remote) |
| • Designing and implementing ML models for MFT strategies on cryptocurrencies derivatives. | |
| SonyAI
Research Scientist Intern | Sep 2024 - March 2025
Barcelona |
| • Worked with LLMs on hypotheses generation for knowledge graphs and link prediction challenges. | |
| DeepFi (Startup)
Research Scientist Intern | May 2022 - Oct 2022
Madrid (Remote) |
| • Designed and implemented decision-tree models for liquidity provision strategies on DeFi protocols. | |

EDUCATION

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| 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 |

ML PROJECTS LED

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| Interpretable Causal Representation Learning for Biological Data in the Pathway Space
Interpretable framework with theoretical guarantees | 2024 |
| • Poster at AIDrugX , NeurIPS 2024 . Published at ICLR 2025 . | |
| Sweetwater: An interpretable and adaptive autoencoder for efficient tissue deconvolution
Autoencoder for train-test distribution shift minimization | 2023 |
| • Poster in MLCB 2023 . Accepted at Nucleic Acid Research . (arXiv). | |
| Towards a more inductive world for drug repurposing approaches
Inductive and transductive node embedding analysis on bipartite graphs | 2022 |
| • Oral presentation ($\frac{6}{76}$) in AI4D3 , NeurIPS 2023 . Published in Nature Machine Intelligence . | |
| Bayesian machine learning enables transcriptional rewiring
Bayesian inference model with sparsity constraints | 2021 |
| • Oral presentation ($\frac{10}{43}$) in ISMB/ECCB 2021 . Published in Cancer Research . | |

SKILLS

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| Languages
Python, R, Linux/Bash, LaTeX, Solidity. | Machine Learning
LLMs, Graph Neural Networks, Decision Trees, Autoencoders, Knowledge Graphs, Gradient-Boosting, Linear/Logistic Regression, PCA, Ensemble Learning. |
| Libraries
PyTorch, SciPy, NumPy, Seaborn, Scikit-learn. | |
| Technologies
Docker, Poetry, Slurm, Hydra, Git, AWS. | Personal
Highly self-disciplined, detail and result-oriented. Creative and self-starter. Able to work on multiple projects simultaneously, with multidisciplinary teams. |
| Software
SENA-VAE , GraphGuest , Sweetwater , TraRe | |

HONORS AND AWARDS

- Kaggle Competitions Expert.** Highest Rank: 997th out of +200,000 competitors.
- Kumo AI Hackathon:** Ranking 2nd 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