Edoardo Luna

edoardoluna@utexas.edu — edoardoluna.github.io

Education

The University of Texas at Austin, PhD in Physics   2022 – Present
Advisor: Dave Thirumalai
New York University, BA in Mathematics   2022

Professional Experience

The University of Texas at Austin, Graduate Researcher   2022 – Present

Publications

G. Froyland, D. Giannakis, **E. Luna**, J. Slawinska. "Revealing trends and persistent cycles of non-autonomous systems with autonomous operator-theoretic techniques." *Nature Communications*, 2024.
DOI: 10.1038/s41467-024-48033-6

Talks at Conferences

International Physics of Living Systems Conference, Trieste, Italy, June 2024

Teaching and Advising Experience

Graduate Teaching Fellow (Statistical Mechanics and Computational Physics), UT Austin, 2023–2024

Honors and Awards

- Susquehanna International Group, PhD/Postdoc Discovery Day Quant Research Fellow, Apr. 2025

- UT Austin Dean's Strategic Fellowship, 2022

- NYU Dean's Undergraduate Research Fund, 2020

- SXSW Hackathon 2nd Place Winner, Amazon Challenge Winner, USAA $5000 Award, 2018

Selected Coursework

Probability Theory, Machine Learning for Physicists, Linear Algebra, Data Structures, Statistical Mechanics 1 & 2, Numerical Methods

Technical Skills

- **Programming:** Advanced: Python; Intermediate: Matlab, LaTeX, Bash; Novice: C/C++, SQL

- **Scientific Computing:** UN*X, Slurm, Numpy, Jax, SciPy, matplotlib, scikit-learn, Numba, pandas, seaborn, git

- **Research:** Numerical simulations, analytical modeling of physical systems, stochastic PDEs, statistical turbulence

Additional Information

Languages: Fluent in Spanish and English
Work Eligibility: U.S. Citizen, eligible to work in the U.S. with no restrictions