Andrés R. Saravia
Data Science / Data Analyst / Data Engineer Jr.

GENERAL DATA

FULL NAME:	Saravia, Andrés Román
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LANGUAGES:	Spanish (Native speaker), English (Intermediate), Russian (Basic)

FORMAL EDUCATION

2020-present	Master's degree in APPLIED MATHEMATICS, **FaMAF-UNC** (Approved 28/29)
	GPA: 9.48/10
2020-2024	PhD in COMPUTER SCIENCE, **FaMAF-UNC** [publications]
	Designing agents and their knowledge about their abilities through the use of epistemic logics and Labeled Transition Systems (LTS) with a notion of uncertainty between plans
2015-2020	Master's degree in COMPUTER SCIENCE, **FaMAF-UNC** [link]
	Construction of computational reasoning methods for dynamic modal languages, specifically the design of tableaux calculus for Modal Separation Logic (MSL) fragment
	GPA: 9.67/10

TEACHING/WORK EXPERIENCE

2020-2025	Doctoral fellow of **CONICET**
2025	Organizer of **FACAS**: 12th Argentine Workshop on Fundamentals for the Automatic Analysis and Construction of Software, Río Cuarto, Argentina
2022-2023	Assistant Professor A for Algorithms and Data Structures I, **FaMAF-UNC**
2019	Internship at **LSV**, **ENS Cachan**, **France**
	Working with Dr. Stéphane Demri in Modal Separation Logics
2019	Student Assistant at **FaMAF-UNC**

PROJECTS

2025	Data Science [link]
	Practice on the reading, curation, analysis and proposal of prediction models (logistic regression, decision trees and random forest) to predict rainfall given a weather dataset. Libraries: Scikit-learn, Seaborn, Pandas, NumPy y Matplotlib.
2025	Monte Carlo Simulations [link]
	Work for Master's degree thesis in Applied Mathematics in which we simulate the adsorption of hydrogen atoms over nickel plates / surfaces with the goal of study clean energy storage alternatives. Languages: C (simulations y data generation) and Python (scripts and visualization)
2025	Coderhouse projects for Full Stack Developer courses
	Backend I, Backend II, Backend III, Javascript, ReactJS, Web Development
2017	Graph coloring: A C project that colors graphs given determined orders. [link]

TECHNICAL SKILLS

- Programming languages: C, Python, Javascript, SQL (MySQL)

- Python libraries: Scikit-learn, Seaborn, Pandas, NumPy y Matplotlib

- Other tools: Git, GitHub, ReactJS, MongoDB, Docker, Firebase