

# Andrés R. Saravia

## Data Science, Machine Learning Jr.

### GENERAL DATA

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FULL NAME: Saravia, Andrés Román  
PLACE & DATE OF BIRTH: Córdoba, Córdoba Province, Argentina; 13/04/1997  
EMAIL: [andresromansaravia@gmail.com](mailto:andresromansaravia@gmail.com)  
WEBPAGE: [andresrsaravia.github.io](https://andresrsaravia.github.io)  
LANGUAGES: Spanish (Native speaker), English (Intermediate), Russian (Basic)

### FORMAL EDUCATION

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2020-present Master's degree in APPLIED MATHEMATICS, **FaMAF-UNC**  
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  
2020-2022 UNIVERSITY TECHNICIAN IN APPLIED MATHEMATICS, **FaMAF-UNC**  
GPA: 9.44/10  
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

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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

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2025 Data Science  
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: sklearn, seaborn, pandas, numpy y matplotlib. [\[link\]](#)  
2025 Monte Carlo Simulations  
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) [\[link\]](#)  
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. [\[link\]](#)