VALERIA MICOL GARCIA

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Portfolio: https://valemicolgarcia.github.io - **Github:** https://github.com/valemicolgarcia
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SUMMARY

Computer Engineering student at UNLP (98% complete) with a strong focus on Machine Learning and Data Science. Experienced in developing and validating end-to-end ML pipelines through applied clinical research at LEICI, including multi-modal data processing and feature engineering. Background in classical ML, deep learning, and statistical analysis, with additional experience as a Programming Teaching Assistant. Seeking a Machine Learning Engineer or Data Scientist role to solve real-world problems using data-driven approaches.

WORK EXPERIENCE

Machine Learning Research Fellow - LEICI - Universidad Nacional de La Plata (UNLP)

- Developed an end-to-end machine learning pipeline and an OOP-based Python framework to synchronize and process multi-modal physiological data from wearable sensors.
- Engineered Random Forest classifiers using a mixed-dataset training strategy for data augmentation, achieving 0.78 global accuracy in discriminating between exercise and stress events in real-world ambulatory settings.

Teaching assistant - Programming 2 - Universidad Nacional de La Plata (UNLP)

- Supported students in mastering advanced programming concepts including recursion, non-linear data structures (trees), and memory management.

PROJECTS - *Models and full documentation available in my portfolio*

- Scientific Research: T1D Stress & Exercise Detection (Random Forest, Multi-modal Data Fusion, Signal Processing, OOP-based ML Pipelines, Data Augmentation)
- Heart Disease Prediction (Logistic Regression, XGBoost, Random Forest, Hyperparameter Tuning)
- Song Popularity Prediction (Linear Regression, Data Cleaning - Exploratory Data Analysis)
- Stress Detection - Natural Language Processing - Neural Networks - (Live model in my portfolio)
- Cats and Dogs Image Classifier (Convolutional Neural Networks)
- Book Recommendation (K-Nearest Neighbors)
- SMS Text Classifier (Natural Language Processing - Recurrent Neural Networks)

EDUCATION AND CERTIFICATIONS

Bachelor's Degree in Computer Engineering
Universidad Nacional de La Plata
Expected Graduation: [July, 2026]
GPA: 8.5 / 10
Status: 98% (1 subject pending)

First Certificate in English (FCE)
Cambridge University [March,2024]

TOEFL iBT - B2 level
ETS [December, 2025]

Data Science I, II, III: Data Science, Machine Learning, NLP & Deep Learning
CoderHouse [January - August, 2024]

Machine Learning with Python
freeCodeCamp [July, 2024]

AWS Course - SQL Course
CoderHouse [October, 2024 - January 2025]

Backend I, II
CoderHouse [January, 2025]

SKILLS

- Machine Learning & AI: TensorFlow, Neural Networks, NLP, Probabilities, Statistics
- Data Science & Analytics: Pandas, NumPy, Data Preprocessing, Data Visualization, Signal Processing
- Programming Languages: Python, C, Java, Assembly, SQL
- Deep Learning: Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs)
- Tools & Libraries: Scikit-learn, TensorFlow, Git, AWS
- Languages: English (B2 - FCE, TOEFL), Spanish (Native)
- Soft skills: Teamwork & Collaboration, Communication, Adaptability, Problem Solving

AWARDS AND EXTRA-ACTIVITIES

- Awards: Outstanding Incoming Student (2022)- Provincial Math Olympiad Runner-Up (2015-16) - René Favaloro Best GPA Award (2015).
- Athletics: Former National Artistic Skating Champion (2019-21)