

# Martin LEIVA

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## EDUCATION

### Magistère in Computer Science Paris-Saclay University

Paris, France  
2024 – Present

- Highly selective program designed to prepare for doctoral studies, with the intention of specializing in AI.

### Dual Bachelor's Degree in Computer Science and Mathematics Paris-Saclay University

Paris, France  
2022 – 2025

- Ranked #1 or #2 worldwide in Mathematics since 2020 (Shanghai Ranking).

### General Baccalaureate

Buenos Aires, Argentina

### Jean-Mermoz Franco-Argentinian High School

2019 – 2021

- Franco-Argentinian Baccalaureate with specializations in Computer Science and Mathematics, graduated with honors ("très bien").

## WORK EXPERIENCE

### Research Intern | Measuring Collective Attention with Meta's ARIA glasses LISN – Team ARAI

Paris, France  
May – July 2025

- Building real-time Python SLAM pipeline to reconstruct 3D scenes from ARIA glasses data.
- Mapping ARIA eye-tracking and hand movement data onto 3D model to analyze group attention and interaction patterns.

### Study and Research Work (TER) LISN – Team A&O

Paris, France  
Jan – Apr 2025

- Analyzed class imbalance (train/test) in image classification to determine an optimal ratio different from 0.5.
- Implemented experiments in Python using PyTorch, Scikit-learn, NumPy, visualized results with Matplotlib.
- Evaluated the performance of a Stochastic Gradient Descent model across different loss functions.

### AI Model Optimization (Freelance) Outlier

Paris, France  
October 2024 - Present

- Promoted to Reviewer, overseeing and correcting other contributors' work.
- Leveraging advanced mathematics and Python/C++/C to drive improvements in LLMs.

### Intern, Stockbroker Assistant MATBA-ROFEX Group

Buenos Aires, Argentina  
October 2018

- Gained insight into predictive analysis and future market trends.
- Acquired foundational knowledge of stock trading.
- Improved professional communication through interactions with industry experts.

## SKILLS

**Skills (Advanced):** Python, C++, C.

**Skills (Intermediate):** OCaml, SQL, Java.

**Languages:** French (*Bilingual*), English (*C1+*), Spanish (*Native*), Portuguese (*A2*).

**Citizenship:** Dual French and Argentinian citizenship.

## INTERESTS

**Hobbies:** Programming (LeetCode), Powerlifting (3<sup>rd</sup> place in 2024 & 2025 Paris-Saclay competition), Tennis (13 years), Swimming (13 years), Table Tennis (5 years), Chess (2-3 years), Drumming (7 years), Video games (Top 2000 RainbowSix Siege), Reading.