

## Education

### Universidad de Buenos Aires (UBA)

Data Science Licenciature (Bachelor + Master): 9,09

March 2019 - December 24

Relevant Knowledge: Algebra, statistics, interpretable models, cloud providers, operative research, econometrics, Python.

### Universidad Nacional de La Matanza (UNLaM)

Engineering in Informatics (Bachelor + Master) : 8,46 (partial)

March 2019 - December 2027 (expected)

Relevant Knowledge: Bash, good software engineering practices, cryptography, software requirements, C++, Bash.

## Most relevant experience

### Autoscheduler.AI

(Remote)

#### Machine Learning Engineer

July 2025 - Present

- Used langchain and langgraph to develop an AI-powered assistant.
- Developed the tools to integrate the assistant with the database and make detailed reports and plots.

### Mutt Data

(Remote)

#### Ssr Data Developer

February 2025 - June 2025

- Used Typesense to develop a real time search engine.
- Define metrics and objectives with the client.

### Composable Finance

(Remote)

#### Cryptography Consultant

April 2023 - July 2024

- Developed solutions using Zero Knowledge (ZK) over Gnark.
- Implemented the verification of digital signatures over the curve ED-25519 emulating the arithmetic.
- Learned the technology during the job.
- Also developed a solution to optimize transactions using graph algorithms and Python.

### Universidad de Buenos Aires (UBA)

#### Head Class Assistant (JTP)

March 2025 - Present

- Directed practical classes about Algorithms and Data Structures.
- Designed the midterm exams.

### Universidad Nacional de La Matanza (UNLaM)

#### Class Assistant

March 2020 - Present

- Taught classes to students from high schools (2020 and 2021) and from the university (2022 in ahead) about competitive programming
- Developed and used class material in C++, Python and Kotlin.
- 11 teams that participated in the course presented at the Argentina's Programming Tournament (TAP) between 2022 and 2024.

## Competitive Programming

- 3 Participations at ICPC (International Collegiate Programming Contest) World Final: 2020 (position 22), 2023 (13 - Bronze Medal), 2024 (17). Latin America Regional Champion all the times.
- 3 Participations at IOI (International Olympics in Informatic): 2017, 2018 (Bronze Medal, top 50%) y 2019
- Used several Computing Science topics (Algorithms and Data Structures, Number Theory, Computational Geometry, etc.)
- Presented in 4 editions of the Training Camp Argentina on the topics *Segment Tree*, *SQRT Decomposition*, *Centroid Decomposition* and *Heavy Light Decomposition* and *Flow Algorithms*.
- Developed a repository with useful commands for competitive programming.

## Other interests and skills

**Languages:** English (EF SET 76/100 C2).

**Scientific publications:** Since 2021 I am a member in a research group at UNLaM. We had published a 3 papers ( 1, 2, 3 ) about AI applied to IoT.