





Gaston Mazzei

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Relevant Work Experience (list of recommendations)

- **C++ Developer** (Intern) Laboratoire Interdisciplinaire des Sciences du Numérique (LISN) 01/22 - 05/22
Description: low-level integration of machine-learning pipeline and computer graphic algorithms for physics-based augmented reality use-cases
- **Network Automation & Optimization Engineer** Iqual Networks Inc 01/21 - 08/21
Description: post-sales pipeline customization and support for SaaS clients, including API design, data analytics algorithms and NoSQL databases
- **Physics Machine Learning Developer** (Intern) International Center for Advanced Studies (ICAS) 03/20 - 12/20
- **Jr Business Intelligence Analyst** Kosten Aike Hotel 11/18 - 11/19
- **Microfluidic Technician** (Intern) National Atomic Energy Commission (CNEA) 07/17 - 07/18

Academics

- **MSc - QDCS** (M1, 9.0/10) Université Paris-Saclay  09/21 - 04/22
Description: Master M1 in Quantum & Distributed Computing, sponsored by the French Quantum Technologies Scholarship.
- **TALENT** ECT*  07/21
Description: Summer school on Machine Learning applied to physics, at the European Centre for Theoretical Studies in Nuclear Physics
- **BSc + MSc - Physics** (8.5/10) Universidad de Buenos Aires  03/15 - 12/20
Description: 5-year degree called "Licenciatura en Ciencias Fisicas", internationally equivalent to a Bachelor + Master degree in Physics.
- **BSc - Experimental Physics** (8.2/10) Universidad de Buenos Aires  03/15 - 08/20
Description: 4-year degree internationally equivalent to a Bachelor in Experimental Physics.

Peer-reviewed Publications

- **AI-Friendly.com: Artificial Intelligence Made Friendly** [#SoftwareDevelopment](#) [#ArtificialIntelligence](#) ASAI JAIHO 50, 2021
- **Image Inpainting Applied to Art: Completing Escher's Print Gallery** [#MachineLearning](#) JIAXI @ ICML 2021
- **Delta Hedging with Transaction Costs: Dynamic Multi-Scale Strategy using Neural Nets** [#MachineLearning](#) [#GameTheory](#) MACI VIII, 2021
- **Option Pricing Model with Transaction Costs** [#AppliedMathematics](#) [#QuantitativeFinance](#) MACI VI, 2017

Language Skills

Mother tongue: SPANISH

Other languages:

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|-------------------|--------------------|---------|
| | Listening | Reading | Spoken production | Spoken interaction | |
| ENGLISH | C2 | C1 | C1 | C1 | C1 |
| FRENCH | B1 | B1 | B1 | B1 | B2 |
| ITALIAN | A2 | A2 | A2 | A2 | A2 |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user.

Technical Skills

Python | C++ | MPI | OpenMP | Mathematical Models | Physics | Optimization & Metaheuristics | Machine Learning | Presentations

Deep Learning | Neural Networks | Differential Equations | Game Theory | CI | Apache | Kafka | Spark | Fullstack Development | Economics

Concrete Social Skills

Dealing with Deadlines | Motivating Colleagues | Clarity during Brainstorming | Insisting with Diplomacy | Building Rapport | Sales & Clients