**Name:** Gaston Mazzei

**Age:** 26

**Gender:** M

**Marital Status:** single

**Citizenship:** Argentina

**Email:** gastonmazzei95@gmail.com

**Contact:** +33 07 5135 6658

**Website:** gastonmazzei.github.io

**Github:** github.com/GastonMazzei

**Work Experience**

**Role:** CFD Engineer

**Period:** May 2022 – September 2022

**Employer:** DAEP – ISAE-SUPAERO (Département Aérodynamique et Propulsion, at ISAE-SUPAERO)

**Description:** Optimization of gradient computation using modern High-Performance-Computing technologies such as MPI and NVIDIA GPUs.

**Role:** C++ Developer

**Period:** Jan 2022 – May 2022

**Employer:** VENISE – LISN (Virtual & Augmented Environments for Simulation & Experiments, at the Laboratoire Interdisciplinaire des Sciences du Numérique)

**Description:** Implementing Senior Researcher’s ideas on embedded systems.

**Role:** Network Automation & Optimization Engineer

**Period:** Jan 2021 – Aug 2021

**Employer:** VENISE – LISN (Virtual & Augmented Environments for Simulation & Experiments, at the Laboratoire Interdisciplinaire des Sciences du Numérique)

**Description:** Post-sales use-case customization for SaaS clients of the telecommunication industry.

**Role:** Physics Machine Learning Developer

**Period:** Mar 2020 – Dec 2020

**Employer:** ICAS - UNSAM (International Center for Advanced Studies, “San Martin” University)

**Description:** Producing numerical simulations of applications of machine learning to physics and building software to expose future students a user-friendly interface to a neural network. This was the Msc Physics thesis.

**Role:** Jr Business Intelligence Analyst

**Period:** Nov 2018 – Nov 2019

**Employer:** Kosten Aike Hotel

**Description:** Automate data collection and assist the executive team make data-driven decisions by implementing a machine-learning pipeline.

**Role:** Microfluidic Technician

**Period:** Jul 2017 – Jul 2018

**Employer:** CNEA (Argentina’s National Atomic Energy Commission)

**Description:** Design and fabrication of microfluidic chips and the characterization and optimization of the manufacturing process in the context of an experimental compulsory-subject for the BSc + MSc Physics degree.

**Education**

**Degree:** Master in Quantum & Distributed Computer Science

**Period:** Sep 2021 – Apr 2022

**Institution:** Universite Paris-Saclay

**Comments:** master M1

**Degree:** TALENT Summer School (Machine Learning applied to Physics)

**Period:** July 2021

**Institution:** ECT\* (European Centre for Theoretical Studies in Nuclear Physics)

**Comments:** None

**Degree:** Master in Physics

**Period:** 2015 – 2020

**Institution:** Universidad de Buenos Aires

**Comments:** 5-year degree, internationally equivalent to a Bsc + Msc in Physics, formally called “Licenciatura en Ciencias Fisicas”. Final Academic Transcripts and thesis defense are publicly available at personal website.

**Degree:** Bachelor in Experimental Physics

**Period:** 2015 - 2020

**Institution:** Universidad de Buenos Aires

**Comments:** 4-year degree, internationally equivalent to a Bsc Experimental Physics, formally called “Asistente de Investigacion en Fisica”. It’s an optional branch from the above mentioned Master degree.

**Skills**

* Python
* C++
* MPI
* OpenMP
* Mathematical Models
* Physics
* Optimization & Metaheuristics
* Machine Learning
* Deep Learning
* Presentations
* Neural Networks
* Differential Equations
* Games Theory
* CI
* Apache
* Kafka
* Spark
* Fullstack Development
* Economics
* Dealing with Deadlines
* Motivating Colleagues
* Clarity during Brainstorming
* Insisting with Diplomacy
* Building Rapport
* Sales & Clients

**Languages**

**Spanish:** C2

**English:** C1

**French:** B2

**Italian:** B2

**Certifications**

* IELTS UKVI

**Awards**

* Latin Minority Sponsorship for NVIDIA CUDA C++ Personalized Course
* Quantum Technologies Scholarship
* Best Undergraduate Paper Award

**Publications**

**Title:** AI-Friendly.com: Artificial Intelligence Made Friendly

**Journal:** ASAI - ISSN 1666-1079 p53-54, 2021

**Title:** Image Inpainting Applied to Art: Completing Escher’s Print Gallery

**Journal:** LXAI Research Workshop @ ICML 2021, id 19

**Title:** Delta Hedging with Transaction Costs: Dynamic Multi-Scale Strategy using Neural Nets

**Journal:** ISSN: 2314-3282 pp. 459-462, 2021

**Title:** Option Pricing Model with Transaction Costs

**Journal:** ISSN: 2314-3282 pp. 569-573, 2017