Juan Gabriel Garassino

DATA SCIENTIST & DEEP LEARNING SPECIALIST | ARCHITECT & URBANIST

Muskauer Straße 8, 10997 Berlin **| Address**   @ | juan.garassino@gmail.com

+49 152 24024 860 **| Phone Number**   in | linkedin.com/in/juan-garassino

Italian (Citizenship) & Argentinian (Born) **| Nationalities** | github.com/juan-garassino

| instagram.com/artista.artificial/

Experience

2023 / on going — **Abu Dhabi, UAE | Kuala Lumpur, Malaysia - Advanced Deep Learning and Data Science Techniques Instructor**
Deliver **advanced deep learning** and data science expertise to an **energy sector** client, providing skill enhancement and fostering innovation. Maintain an ongoing consulting relationship, offering on-call support for specific projects and trainings. Additionally, contribute to product development initiatives. This role involves working across both locations as needed.

2021 / on going — **Berlin, Germany | Amsterdam, Netherlands | Barcelona, Spain - Data Science Instructor at Le Wagon**
Ongoing role as an instructor and consultant, delivering lectures on various data science topics, including data preprocessing, neural networks, and data engineering. Explore **Generative AI**, LLM for natural language, GAN, and **Diffusion models** for creative content generation. Additionally, research into applications of these technologies in architectural and graphical design.

2024 / 24 — **Tokyo, Japan - Data Science Lead Instructor at Le Wagon Tokyo**
Led instruction at Le Wagon Tokyo, delivering advanced data science and deep learning training. This role aligned with my interest in visiting Japan and provided a valuable opportunity to both share expertise gained from overseas experience and gain new insights. Focused on enhancing students' skills in data science and fostering innovation in the field.

2016 / 19 — **Auckland, New Zealand - Design Manager at European Stone Masons Ltd**
Oversaw design, measurements, and selection of stone, ceramic, terracotta, and aluminum facade materials for various building projects. Led major works including Auckland Council building upkeep and Aotea Centre interior updates.

2014 / 16 — **Buenos Aires, Argentina - Construction Management**
Worked with a college classmate to oversee house building projects and offer 3D modeling advice. Carried out architectural plans using detailed computer models and careful on-site work.

2013 / 16 — **Buenos Aires, Argentina - Independent Government Land Surveyor**
Teamed up with Galpon Estudio architects to measure and map public areas in Buenos Aires. These surveys helped plan future projects in these changing city spaces.

References available on request

AI Exploration and Innovation Projects

2022 / on going — **artSquared (art²) - Artificial Artifacts for Business Innovation**
Initiated artSquared (art²) to develop **generative AI solutions**, driven by passion for innovative AI technologies. Focused on two main areas of generative AI: text and image generation. For text, implemented Large **Language Models (LLMs)** and **Retrieval-Augmented Generation (RAG)** systems to enhance natural language processing and data analysis. For images, gained practical experience with **Diffusion Models (DDPM, DDIM)** for innovative visual content production. Explored **fine-tuning** techniques and **Low-Rank Adaptation (LoRA)** to efficiently adapt pre-trained models for specific business use cases, enhancing their relevance and effectiveness. This project reflects my keen interest in exploring and advancing generative AI technologies for practical business solutions.

Education

2021 / 21 — **Data Science & Data Engineering Certification -** Le Wagon Coding, Germany

2007 / 16 — **Diplom in Architecture and Urban Design -** Universidad de Buenos Aires, Argentina

2012 / 13 — **Student Exchange -** École nationale supérieure d'architecture, France

Courses & Workshops

2020 / 20 — **Laminar Segmentation in Structures using Machine Learning -** Digital Futures World, Web Based Event
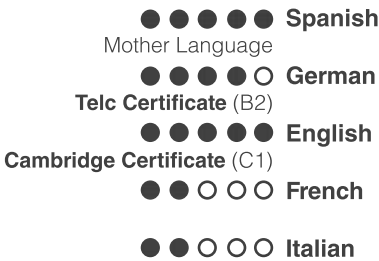
2016 / 16 — **Site Safe - Safety in Construction Workshops -** Auckland, New Zealand

2013 / 15 — **CAD (computer-aided design), BIM Managment & Parametric Architecture -** Buenos Aires, Argentina

Languages & Skills

Languages

●●●●● **Spanish**
Mother Language

●●●●○ **German**
Telc Certificate (B2)

●●●●● **English**
Cambridge Certificate (C1)

●●○○○ **French**

●●○○○ **Italian**

Soft Skills

Strong team player, communicates effectively, and collaborates efficiently.

Proactive problem-solver, adapts well to challenges, and takes initiative.

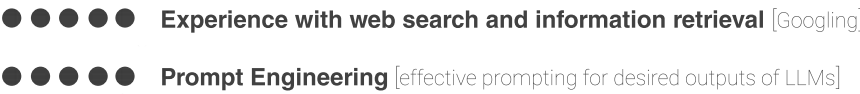**Positive leader,** fosters growth, and supports development.

Handles pressure effectively, stays resilient, and drives innovation.

Engages well within teams, embraces learning, and contributes effectively.

Technical Skills:

●●●●● **Python Software development** [Pyenv & Poetry]

●●●●● **Deep Learning Engineering** [Tensorflow & Pytorch]

●●●○○ **ML Ops and Data Engineering** [Docker & APIs & Kubernetes]

●●●●○ **Maching Learning for GenAI** [LangChain, LlamaIndex, ChromaDB]

●●●●● **Maching Learning for Data Science** [Scikit Learn]

●●●○○ **Cloud Services** [GCP & Azure & AWS]

●●●●● **Proficient in Git and GitHub** [CI / CD]

Additional Skills:

●●●●● **Experience with web search and information retrieval** [Googling]

●●●●● **Prompt Engineering** [effective prompting for desired outputs of LLMs]

Creative and Design Skills:

●●●●○ **Experience with Adobe Creative Suite** [Photoshop, Illustrator, etc]

●●○○○ **Autodesk Revit & Rhinoceros** [scripting for Revit & Grasshopper]