DAVIDE
PERINI TORO
CURRICULUM VITAE

Date of birth / **20/01/1996**
Place of birth / **QUITO (ECUADOR) (EE)**
Nationality/ citizenship / **Italy**
**VIA CARLO ALBERTO DALLA CHIESA 32,
37136 VERONA (VR)**
Driving licence / **B** / **Car available**
ID / **4826749** updated on **24/06/25**

✉ ddperini@gmail.com
📞 +39 3384779193

FOREIGN LANGUAGE SKILLS

🇪🇺 europass

MOTHER TONGUE(S): **Italian**

🎧 📖 💬 📣 ✒

	🎧	📖	💬	📣	✒
ENGLISH GOOD	C1	C1	B2	B2	C1
GERMAN	-	A1	-	-	A1
SPANISH FAIR	B2	B2	B1	B1	B1

DIGITAL COMPETENCES

DigComp
Information and data literacy **Proficient user**
Communication and collaboration **Proficient user**
Digital content creation **Proficient user**
Safety **Proficient user**
Problem solving **Proficient user**

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

ECONOMIC SECTOR: **1.** computer science, data processing and acquisition / **2.** credit and insurance / **3.** energy, gas, water, mining

CAREER FIELD: **1.** Engineering and design / **2.** Organization / **3.** Management

DESIRED JOB: **ML/AI Engineer**

PREFERRED DISTRICT TO WORK IN: **1. VERONA** / **2. MILANO**

AVAILABILITY FOR BUSINESS TRAVELS: **Yes, even frequently**

AVAILABILITY TO RELOCATE ABROAD: **Yes, but only in Europe**

Career Goal

Data science, machine learning and AI are the keywords for the technological innovation in scientific, research and industrial fields but also in social sciences and economics.
I'm deeply interested in these new technologies and knowledge, which are in fast and continous evolution. My personal objective is to master these technologies and knowledge, studying and keeping up with the new developments, in such a way to become an effective professional in multi-sector company innovation.

💼 WORK EXPERIENCES

ML/AI Engineer & Team Leader
SBE - VARVIT
Mechanical engineering and precision engineering
MONFALCONE (GO)
01/2024 - present

Main activities and responsibilities: As an AI Model Engineer, I was responsible for the research, parameterization, and testing of the models underpinning the solutions we deployed in production for the company.

Given the small and highly dynamic nature of the team I was part of, and the large number of projects to manage, I also took on many tasks typically associated with adjacent roles. Specifically, I served functions such as: project manager, team leader, full-stack developer, cloud engineer (AWS, OVH and GCP), architecture engineer (Kubernetes).

Acquired skills and achieved objectives: Objectives Achieved: Deployment of several internal-use solutions to support employees and field workers, including:
- A RAG (Retrieval-Augmented Generation) system and a document retrieval tool
- A tool for transcription, translation, adaptation, and synthesis of free speech and technical texts
- An advanced RAG system for extracting and searching information from tables within technical documents
- An agent-based RAG enabling natural language querying of internal company databases
- All of these were served through web interfaces developed by our team.

Additionally, I contributed to the development of quality control solutions using computer vision and technical equipment recognition from photos taken by field workers.

Skills Acquired or Strengthened:
- Deployment and servicing of LLMs for various tasks, including fine-tuning, parameter tuning, validation, and performance testing, with a particular focus on open-source models deployed on-premise.
- Full-stack software development in: Python (PyTorch, Transformers, LangChain, Pandas, Flask, Scikit-learn, spaCy, Gradio, etc.), JavaScript (Angular, Svelte)
- Containerized architecture deployment and management with Docker and Kubernetes
- CI/CD workflows using ArgoCD, Git, GitHub, Docker, Kubernetes, and Jira
- Cloud-based development and testing with AWS and OVH
- Use of vector databases such as ChromaDB and Elasticsearch

Continuous study, training, and updates on cutting-edge generative AI solutions from major players in the field, including: Google, OpenAI, Meta, X (Twitter), Manus, Anthropic, Alibaba (Qwen), DeepSeek, Midjourney, Hugging Face

Employed as: office worker - indeterminate length contract |
Company sector: Engineering and design

AI & Innovation Free-lance Corporate Consultant
IN PROPRIO
(VR)
01/2023 - present

Main activities and responsibilities: Consulting services provided to companies across multiple sectors, including:
- Logistics and Transportation
- Human Resources
- Manufacturing
- Marketing and Communication

Acquired skills and achieved objectives: I applied the knowledge and experience gained throughout my various professional roles to help guide innovation—particularly in the field of Artificial Intelligence—for companies aiming to enter this domain or seeking to invest in innovative projects.
Working as: employee collaborator | Company sector: Engineering and design

Data Scientist
HPA
Computer science, data processing and acquisition
TRENTO (TN)
09/2021 - 01/2024

Main activities and responsibilities: Developing, training, test and supervision for software solutions based on AI and ML models for different industrial sectors:
Prompt engineering, chatbot and chat with your data solutions with NLP models as transformers and LLMs, among these GPTm LLama and Bard.
Anomaly detection models for energy and utilities.
Decisional support systems and optimization models for field workforce management and logistics/transports.

I worked also as Business Analyst towards different clients working with many stakeholders in different projects conducting elicitation, analysis, reporting and evaluation tasks, while also studying for the ECBA certification.

Acquired skills and achieved objectives: I learned to work with many different colloegues for a common goal, in different projects, forming strong professional and personal relations.

I learned to give constant updates and reports on my work towards my superiors and the clients of my company, managing my time and my tasks in such a way to produce deliverables and value for the company and our clients respecting timelines.

I had the opportunity to confirm my always positive attitude towards myself and my collegues even in stressful situations, keeping the morale high and the stress low.

Working closely with clients of the company I had the opportunity to improve my skills in getting useful insights and information for the company in such a way to answer in the most efficient way to their business needs. In such a way I acted as an efficient intermediary and business analyst.

I had the opportunity to work in many projects, even as a team leader. This improved my communication skills and helped me to tackle problems outside my comfort zone, helping me to adapt and to acquire new knowledge and tools.
Employed as: office worker - indeterminate length contract | Company sector: Engineering and design

Private tutoring for Math, Physics and Computer Science
N/D
Education, training, research and development
VERONA (VR)
04/2016 - 12/2023

Main activities and responsibilities: Since when I started attending University, I made myself available as math and physics tutor offering private lessons to many students (15-20) of different levels: from middle school, high school, technical and professional institutes to also bachelor students.
In particular for bachelor students, I offered private lessons of Calculus (1 and 2), Linear Algebra, Geometry, Statistics, Probability, Computer Science, etc.

Acquired skills and achieved objectives: The satisfaction index of my students has always been pretty high, in fact every one of them always made it towards the objective for which they asked me to help them. From simple clarifications, to preparation of specific exams and improving the average mark in the aforementioned subjects also arriving to recovery deep and developed gaps in their knowledge in math and physics.

Some of my students have also developed personal interest in the subjects studied together and they also became more motivated and diligent.

I always received positive reviews resulting clear, understandable and effective and many times this resulted in having other clients thanks to the word of mouth of their parents or directly from themselves.

A couple of times I also got contacted by my ex-professors in such a way to give some lessons to some of their students in need of help in their subjects

This experience developed in many years gave me the possibility to improve my exposition ability and to prove myself as clear as possible when trying to explain (hard) subjects to the people before me while at the same time keeping their interest/attention alive.
Working as: other, self employed

ACADEMIC STUDIES

MASTER'S DEGREE
2018 - 2023
CERTIFIED TITLE

UNIVERSITÀ di **VERONA**

Università degli Studi di VERONA
Dipartimento di Informatica
Master course in Mathematics
specific field of the degree course: applied mathematics
LM-40 - 2nd level degree in Mathematics
Dissertation/thesis title: Twitter bot identification via CNNs-based image recognition | Thesis supervisor: DI PERSIO LUCA
Official duration: 2 years
Final degree mark: **105/110**
Graduation date: 16/03/2023

BACHELOR'S DEGREE
2015 - 2018
CERTIFIED TITLE

UNIVERSITÀ di **VERONA**

Università degli Studi di VERONA
Dipartimento di Informatica
Bachelor Course in Applied Mathematics
L-35 - 1st level degree in Mathematics

Dissertation/thesis title: A ri-derivation of the Gauss linking number | Dissertation/thesis subject: Geometria | Thesis supervisor: SANSONETTO NICOLA

Official duration: 3 years
Final degree mark: **103/110**
Graduation date: 23/11/2018

TECHNICAL CERTIFICATE
VERONA
2016

Vocational School, Technological sector, Information systems and telecommunications specialisation, Information systems focus
GUGLIELMO MARCONI , VERONA (VR)
School-leaving examination mark: **94/100**
Kind of secondary school diploma: Italian secondary school diploma
Kind of secondary school attended: Public school

FOREIGN LANGUAGE SKILLS

English Certificato di Inglese C1, Centro Linguistico di Ateneo dell'Università degli Studi di Verona, 2016 , **Europass level C1**

INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Office Suite: (Advanced) | **Spreadsheets:** (Advanced) | **Web Browser:** (Advanced) | **Word Processors:** (Advanced)

APPLICATION SOFTWARE

Servizi cloud: AWS e OVH (Intermediate) | **Project Management:** Jira

(Intermediate)

COMPUTER PROGRAMMING	Strumenti CI/CD: GIT, Github, Docker, ArgoCD, Kubernetes (Intermediate)	**Development Models:** Agile (Intermediate)	**Programming languages:** C (Foundation) , C++ (Intermediate) , Java (Intermediate) , JavaScript (Intermediate) , MATLAB (Advanced) , Python (Advanced)	**Web Programming:** PHP (Foundation)
SYSTEMS AND NETWORKS MANAGEMENT	**Network architecture:** (Intermediate)	**Operating systems:** Windows e Linux (varie distribuzioni) (Advanced)
DATA MANAGEMENT	Modelli di NLP, LLM e chatbot (Advanced)	**Big Data:** Algoritmi di ML/NN (Advanced)	**Blockchain:** Crypto/Tokenomics (Foundation)	**Data modeling tools:** Python - Librerie/Pacchetti per analisi dei dati (Pytorch, SciPy, Tensorflow, Keras, SciKit-Learn, Transformers, Langchain, Pandas, Huggingface, Gradio, Flask,)) (Advanced)	**Database Design:** ER model (Intermediate)	**DBMS:** MySQL, PostgreSQL (Advanced)
GRAPHICS AND MULTIMEDIA	(Foundation)
ICT CERTIFICATES	**Advanced Topics in Financial Engineering** Department of Research of ARPM, 2021 www.arpm.co/

CONFERENCES AND SEMINARS

CONVENTIONS 01/04/2024	**AI WEEK** , AI WEEK , Rimini Character: Partecipante e Rappresentante
CONFERENCES 01/05/2022	**Future Grid Day IKN** , IKN , Milano Character: Speaker utilitenergy.it/evento/11415/future-grid-day-2022/h…

ATTACHMENTS

ARPM Advanced Topics in Financial Engineering
Completion certificate of the 12-week training course in Advanced Topics in Financial Engineering jointly offered by Verona University and the Department of Research of ARPM (Advanced Risk and Portfolio Management).
www.arpm.co/certificate/