

| **Davide Perini Toro**    AI ENGINEER / ML ENGINEER Details Verona, Italia  +393384779193  [ddperini​@gmail​.com](about:blank) DATE / PLACE OF BIRTH 20/01/1996 Quito, Ecuador NATIONALITY Italiana Skills  | LLMs evaluation, fine tuning, quantization | | | --- | --- | |  |  |  | Designing NLP pipelines and agentic applications | | | --- | --- | |  |  |  | Designing production-ready ML systems | | | --- | --- | |  |  |  | Software engineering (Python) | | | --- | --- | |  |  |  | Application deployment, versioning and CI/CD | | | --- | --- | |  |  |  | Cloud services management (GCP, AWS, OVH) | | | --- | --- | |  |  |  | Team Leading & Project Management | | | --- | --- | |  |  |  | Business Analysis | | | --- | --- | |  |  |  | Mentoring and tutoring | | | --- | --- | |  |  |  | Private consulting | | | --- | --- | |  |  |  Languages  | Italian | | | --- | --- | |  |  |  | English | | | --- | --- | |  |  |  | Spanish | | | --- | --- | |  |  | |  | Profile Master’s in Applied Mathematics with 4+ years of proven hands-on experience designing and delivering production-ready ML and AI solutions for industrial and business challenges.  Track record in AI Engineering, deploying NLP pipelines, RAGs and agentic applications.  Proven experience in architecting end-to-end ML workflows, from data ingestion and feature engineering to deployment and maintenance.  Inspiring team leader and mentor, with experience in coordinating cross-functional teams and engaging stakeholders in dynamic, multi-project environments to drive innovation and impact. Employment HistoryML & AI Lead Engineer at SBE - VARVIT, Monfalcone JANUARY 2024 — PRESENT   * **LLM** engineering: research, **prompt engineering** , tuning, evaluation, **quantization** and **fine tuning** of **proprietary** and **open LLM** . * **AI Engineering** : deployment **NLP pipelines** such as **RAG** , **agentic** applications, voice-to-text, summarization, translation, document search, text-to-code. * Full-stack developing: **RESTful APIs** and microservices development and deployment with **Python** , UX/UI developing with **Javascript** (Svelte and Angular). * **Cloud services** manager: **GCP** , **AWS** and **OVH** . * **Architecture** engineering: development, deployment and maintenance of our products via CI/CD pipelines, **Docker** containerization and **Kubernetes** . * **Team leading** and **project management** : coordination, training and mentoring of other team members, project ownership, team building, reporting, stakeholder involvement, external consultants coordination. * **Python** libraries and frameworks: **PyTorch** , **Transformers** , **Hugging Face** , **Pandas** , **Flask** , **Scikit-learn** , **Langchain** , **LangGraph** , **SpaCy** , **Gradio** , **Tensorflow** , **OpenCV** . * **CI/CD tools** and frameworks: **ArgoCD** , **Git** , **GitHub** , **Docker** , **Kubernetes** and **Jira** . * Databases: **PostgreSQL** , **ElasticSearch** , ChromaDB, **MongoDB** . * Experimentation with new technologies and frameworks: Vertex AI, **OpenAI** models, Meta, Grok, **Manus** , Anthropic, Alibaba (Qwen), DeepSeek, Midjourney.  Freelance AI & Innovation business consultant at , Verona JANUARY 2023 — PRESENT   * Consulting services provided to companies across multiple sectors, to help stakeholders take the right decision in their first steps adopting AI. * During this experience I helped company from a diverse set of industrial sectors: Logistics and Transportation, Human Resources, Manufacturing, Marketing and Communication  Data Scientist at HPA, Trento SEPTEMBER 2021 — JANUARY 2024   * **Machine Learning** engineering: **Data analysis** , **feature engineering** , metrics evaluation and development, **model development** , **training** , **testing** and evaluation. * **AI Engineering: prompt engineering** , development and deployment of **NLP pipelines** for **RAG** and **classification** . * **Business Analysis:** stakeholders involvement, requirements collection, definition of objectives, elicitation, reporting, task evaluation. (ECBA certification was work-in-progress) * **Team leading** and **project management** : task management, team coordination, * reporting, client management, deliverable production. * **Python** libraries and frameworks: **Pandas** , **NumPy** , **lightGBM** , **Scikit-learn** , **NLTK** , **OpenCV** , **Tensorflow** , **SpaCy** , **SciPy** ,  Matplotlib, Seaborn, Flask, **Hugging Face, Polar** . * Software engineering: relational databases ( **MySQL** ), **NoSQL** databases, design patterns, **TDD** , **BDD** , product deployment, versioning, best practices.  Freelance tutoring for Math, Physics and Computer Science at , Verona APRIL 2016 — DECEMBER 2023   * Math and physics tutoring for 20+ students from middle school, high school, technical and professional institutes and bachelor students. * I tutored bachelor students for **calculus** , **linear algebra** , **geometry** , **probability** , **statistics** , computer science, etc. * I obtained very high students' satisfaction, proved by their accomplishments and improvements with their involvement, motivation and commitment.  EducationMaster course in Mathematics, Università degli Studi di Verona, Verona 2018 — 2023  Mathematics applied to Machine Learning and Data Science.  Thesis title: Twitter bot identification via CNNs-based image recognition  Final degree mark: 105/110 Bachelor Course in Applied Mathematics, Università degli Studi di Verona, Verona 2015 — 2018  Mathematics applied to numerical modeling for life sciences.  Thesis title: A ri-derivation of the Gauss linking number.  Final degree mark: 103/110 IT Expert, ITIS G. Marconi, Verona 2010 — 2015  Vocational High School for IT.  Secondary school diploma.  School-leaving examination mark: 94/100 CoursesAdvanced Topics in Financial Engineering, ARPM 2021 ECBA (not completed), IIBA 2023 AI Week, Rimini 2024  Attented as partecipant and SBE representative. Future Grid Day IKN, Milano 2022  Speaker as HPA & Terranova representative: Predictive workforce management. |
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