

Stefano Martire

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EDUCATION

PhD in Data Science and Computation

2020 - 2024

Italian Institute of Technology

- Designed and trained a neural network potential on 10M molecules reaching production accuracy;
- Supervised by Andrea Cavalli and Sergio Decherchi.

BSc and MSc in Mathematics

2015 - 2020

Università Cattolica del Sacro Cuore

PROFESSIONAL EXPERIENCE

Co-founder and CTO

2024 -

Brescia AI

- Building vertical AI solutions to connect people with deep tech;
- Sbobba AI, our transcription and summarization app, is now live at <https://sbobba.ai>.

AI Engineer

2024 -2026

Digitiamo

- Built an AI framework to automatically analyze conversations coming from an e-commerce chatbot gaining valuable insights on customers' desires;
- Created an ML algorithm that anonymizes an input text on the edge to later send it to a cloud LLM provider without leaking sensitive information.

PUBLICATIONS

OBIWAN: An Element-Wise Scalable FF Neural Network Potential

2024

The quantum chemistry AI method resulting from my PhD studies.

J. Chem. Theory Comput.

Ipotesi di Sintesi dell'Intelligenza

2023

Essay containing my vision and perspectives on the problem of artificial general intelligence.

Edizioni Altravista

Salendo su un foglio di carta

2020

Divulgative mathematical book, co-authored with professor Alfredo Marzocchi.

Aracne editrice

IT SKILLS

Backend: Python, SQL, C, bash, FastAPI

2020

Frontend: Javascript, HTML, CSS

MLOps: TensorFlow, PyTorch, JAX, pandas, NumPy, Matplotlib, scikit-learn

DevOps: Git, Docker, Singularity, conda

PERSONAL PROJECTS

Lombacovid

2020

lombacovid.it

- Established a periodic pulling from the national repository of Covid-19 clinical data in order to maintain a personal database;
- Visualised and served the aforesaid db to 5k distinct users (29k visits in total).