

Marco Vinciguerra

DATA SCIENCE AND DATA ENGINEERING MASTER DEGREE STUDENT

Born in 01/06/2000, Treviglio, Italy

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</> Technical skills

Proficient in: Python, R, SQL, Java, Latex, Dart, Flutter

Familiar with: C/C++, Javascript, HTML, CSS

Tech stack: PyTorch, Tensorflow, Langchain, LLM, Flask, AWS, Terminal, React, DynamoDB, Firebase, Git, Github actions, MistralAPI, OpenAI API, HuggingFaceAPI, RAG

🏢 Experience

University of Bergamo

ASSISTANT AND TUTOR PROFESSOR

Dalmine, Italy

October 2023 - February 2024

Main work: Teaching and tutoring for statistic course for building engineering

Inxpect S.P.A

INTERNSHIP - ML ENGINEER

Brescia, Italy

July 2023 - October 2023

Main work: Creation of a ML algorithm for labeling images and create new neural networks from a pre-trained network. This company was named by Wired one of the top startup in Italy in 2022 (📄)

University of Bergamo

RESEARCH GRANT AND ASSISTANT RESEARCHER

Dalmine, Italy

October 2022 - June 2023

Main topic: Creation of an equidistant grid map starting from a heterogeneous map for the AgrimOnIA project (📄). This dataset has more than 3000 downloads on Zenodo.com

🎓 Education

Riga Technical University

ERASMUS EXCHANGE STUDENT

Riga, Latvia

January 2023 - July 2023

Main subjects: testing and software validation

University of Bergamo

MASTER DEGREE IN DATA SCIENCE AND DATA ENGINEERING

Dalmine, Italy

September 2022 - Aprile 2025

Main subjects: AI, machine learning, advanced programming and algorithms

University of Bergamo

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Dalmine, Italy

October 2019 - July 2022

Bachelor degree IT engineering. University of Bergamo (october 2019- july 2022, 2 years and 10 months). Grade: 103/110. I've been able to focus on my studies and graduate in a very short time. This dedication has awarded me a scholarship for scholastic merit. **Thesis title:** "Time-series forecasting and explainability with LSTM recurrent neural networks: Modeling air quality across Lombardy".

Repo link: 📄. Link of the nft degree: 📄

Main subjects: mathematical analysis, linear algebra, object-oriented programming, technologies cloud and mobile, databases

🔧 Projects

All my projects are available at the following Github account: <https://github.com/VinciGit00>.

Scrapegraph-ai 🔄

FOUNDER AND MANTAINER - OPEN SOURCE SCRAPING LIBRARY

Open source python scraping library based on LangChain and it can run local models with Ollama/Docker, Gemini, Openai or the most famous llm models. This tool allows to automatically scrape full webpages in seconds instead of many minutes and manually. This repo has more than 17k stars, more than 450k downloads and more than 1500 forks. Link of the documentation: 📄 Link of the demo: 🎥

Studio YOLO 🔄

OPEN SOURCE JAVASCRIPT ORGANIZATION FOR IMAGE PROCESSING





This project has the goal to create open source libraries for elaborations of image. The first product is a an open source library for image processing 📄

Honors & Awards

SCHOLARSHIP

2024	NOI Hackathon Techpark , Winner of the hackathon	<i>Bolzano, Italy</i>
2023	NOI Hackathon Techpark , Winner of the hackathon 	<i>Bolzano, Italy</i>
2022	Scholarship for Scholastic Merit , University of Bergamo	<i>Dalmine, Italy</i>

Extra certifications

Coursera	Machine learning specialization by Deeplearning.ai 
Coursera	IBM data science specialization 
Coursera	Google data analytics specialization 
Coursera	Introduction to Tensorflow for artificial Intelligence, Machine Learning and Deep Learning 

Hobbies

Sport	I love doing sport. My main activities are: running marathons, weight lifting, bicycle and basketball.
Acting	I've been an extra in some movies.
Books	One my favourite hobbies. Mainly I read books on lifestyle and personal growth