

# 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, VIM, React, DynamoDB, Firebase, Git, Github actions

## 🏢 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 (📄)

### Freelancer

MAY 2023 - JUNE 2023

Riga, Latvia

Demola Latvia

**Main work:** Creation of a student portal with AI Chatbot integration (📄)

### 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 2000 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

August 2022 - now

**Main subjects:** AI, machine learning, advanced programming

### 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 📄

FREE SCRAPING LIBRARY BASED ON AI

Open source python scraping library based on LangChain and it can run local models with Ollama/Docker, Gemini apis or Openai apis. This tool allows to automatically scrape full webpages in seconds instead of many minutes and manually. This repo has more than 100 stars, more than 6000 downloads and 11 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. Stay tuned for more! 

## NBAStats

WEB APP FOR VISUALIZE NBA PLAYERS PERSONAL STATS

Python open source web App created with streamlit library for visualizing every personal informations of players currently playing in the NBA.

Link of the demo: 

## Honors & Awards

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### SCHOLARSHIP

2023 **NOI Hackathon Techpark**, Winner of the hackathon 

*Bolzano, Italy*

2022 **Scholarship for Scholastic Merit**, University of Bergamo


*Dalmine, Italy*


## Extra certifications

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**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

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**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