Giorgio **Carbone**

Milan, Italy
Born in Como on May 13, 1997
Driver's license: B, with own car

📱 (+39) 3406959794 | ✉ carbone.giorgio4@gmail.com
🐙 github/giocoal | 🔗 linkedin/giorgiocarbone | 📖 Portfolio

Profile

I am an aspiring data scientist who enjoys connecting the dots by the use of technology.

I am pursing a Master's Degree in Data Science at University of Milano-Bicocca, where I'm receiving solid training in all the major fields of Data Science.

Earning a bachelor's degree in Chemistry has allowed me to develop strong analytical, mathematical and statistical skills, which have proven useful in my current career path.

I consider myself a kind, empathetic, creative and determined person. I am pragmatic and organized, yet flexible.

Although I have an interest in the discipline of data science in its entirety, I am particularly drawn to digital signal and image processing and analysis, as well as the latest ML topics, such as Computer Vision, NLP and Generative Models.

Education

University of Milano-Bicocca	Milan, Italy
MASTER'S DEGREE IN DATA SCIENCE (LM91)	Sept. 2021 - today

- Delivered partly in English
- Relevant courses: Machine learning, Decision Models, Data Management, Data Visualization, Statistical Modeling, Data Semantics, Foundations of Deep Learning, Foundations of Computer Science, Foundations of Probability and Statistics
- GPA: 29.8/30

University of Milano-Bicocca	Milan, Italy
BACHELOR'S DEGREE OF CHEMICAL SCIENCES AND TECHNOLOGIES (L-27)	Sept. 2016 – Oct. 2020

- Graduation grade: 110/110 and honors
- Certification: *Chemistry Eurobachelor®*

Liceo Statale Giuseppe Terragni	Olgiate Comasco (CO), Italy
SCIENTIFIC HIGH SCHOOL WITH APPLIED SCIENCE OPTION	Sept. 2011 – July 2016

- Final grade: 91/100

Skills

Coding Python (Pandas, Scikit-learn, NumPy, Keras), R (tidyverse), SQL (MySQL), Bash, LaTeX, Markdown, HTML

Data Visualization Tableau, Python (Matplotlib, seaborn, Plotly), R (ggplot2)

Tools Knime, Git, MongoDB, Microsoft Office Suite, Jupyter Notebooks, Silk, Protégé

Languages Italian (native speaker), English (full professional knowledge – C1 listening and reading | B2 writing)

Certifications Chemistry Eurobachelor®, Bbetween Languages – English C1, AICA e4job – Digital culture for work

Experience

University of Milano-Bicocca	Milan, Italy
Physical Chemistry Research Laboratory Internship - Full time - 🐙 GitHub	Oct. 2019 – Jan. 2020

- Data analysis of the results of computational simulations of the water adsorption process on atmospheric particulate matter models.
- Developed a script in Python, which performs a frame-by-frame cluster analysis of the simulations, using the DBSCAN clustering method (Scikit-learn), aggregates the results (Pandas, NumPy), analyzes the properties of the clusters, and visualizes the results (Matplotlib, pyplot).

University projects [↗]

Video Classification: Human Action Recognition on HMDB-51 [↗]   *Keras, Open CV, Video-Based Action Recognition*
- Using a Two-Stream archiecture, which combines a spatial stream (ResNet-50 finetuned) and a temporal stream (CNN trained on stacked Optical Flows) to perform video-based human action recognition on the HMDB-51 dataset.

Machine learning: credit card transactions fraud detection [↗]   *Machine Learning, Knime, Classification*
- Processed a dataset containing 284,807 records related to credit card transactions performed by European citizens during two days in September 2013.
- The objective of the work was to identify the most suitable Machine Learning technique and model for classifying fraudulent transactions.

«I authorize the processing of my personal data in the curriculum vitae in accordance with Legislative Decree No. 196 of June 30, 2003, "Codice in materia di protezione dei dati personali" and the GDPR (EU Regulation 2016/679). »