Giorgio **Carbone**

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

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 github/giocoal | in linkedin/giorgiocarbone | 📖 Portfolio

Education

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

- Delivered in English
- Courses: Data Science Lab In Biosciences, Machine learning & Decision Models, Foundations of Deep Learning, Digital Signal And Image Management, Data Management & Data Visualization, Statistical Modeling, Data Semantics, Foundations of Computer Science, Foundations of Probability and Statistics, Juridical And Social Issues In Information Society, Streaming Data Management And Time Series Analysis, Text Mining And Search, Data Science Lab
- 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
- Relevant Courses: Organic Chemistry I, Organic Chemistry II, Organic Chemistry III, Foundations of Biochemistry
- 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, PyTorch), R, SQL (MySQL), Bash, LaTeX, Markdown, HTML
Deep Learning	Keras, PyTorch, OpenCV, scikit-learn
Data Visualization	Tableau, Python (Matplotlib, seaborn, Plotly), R (ggplot2)
Tools	Git, Knime, Tableau, MongoDB, Jupyter Notebooks, VS Code, Microsoft Office Suite
Languages	Italian (native speaker), English (full professional knowledge – C1 listening and reading | B2 writing)
Certifications	Bbetween Languages – English C1, Chemistry Eurobachelor®, AICA e4job – Digital culture for work

Experience

University of Milano-Bicocca - Imaging and Vision Laboratory (IVL)	Milan, Italy
Research Internship - Imaging and Vision Laboratory (IVL) - Full time	Feb. 2023 – today

Python, PyTorch, Visual Neuroscience, Deep Learning, Generative Models

- The first goal of the internship is to develop encoding models that can model the human visual cortex and thus be able to predict fMRI (functional magnetic resonance imaging) human brain responses to stimuli consisting in natural scene images.
- The second objective is to develop decoding models that generate the stimulus image from the fMRI responses.

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

Python, Computational Physical Chemistry, Machine Learning, Clustering, scikit-learn

- 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).