Mattia Rigiroli

Data Scientist

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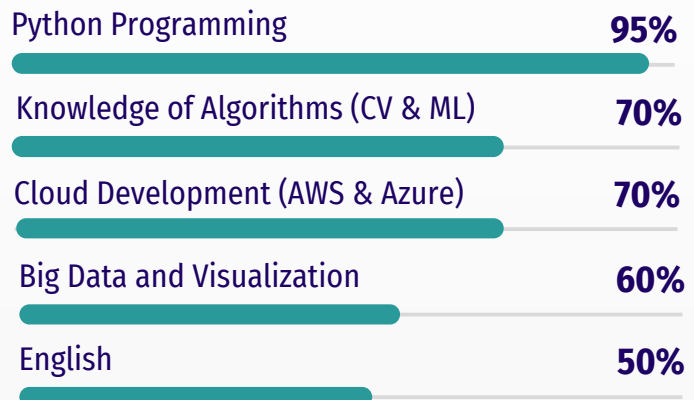✉️ mattiarigiroli@gmail.com

📌 Garbagnate Milanese, Milan

ABOUT ME

My three words: *organization, curiosity* and *constance*. Graduated Data Scientist loving **Computer Vision** and **Machine Learning**. Crypto enthusiast, **scout leader**, passionate to **cyclism** and world citizen. I'm trying to leave the world a little bit better that I've found it ("Robert Baden Powell").

SKILLS

Python Programming	**95%**
Knowledge of Algorithms (CV & ML)	**70%**
Cloud Development (AWS & Azure)	**70%**
Big Data and Visualization	**60%**
English	**50%**

EDUCATION

2019-2021 **Master Degree in Data Science**
University of Milano Bicocca, from the basics to data science world. Score: **110/110 with honors**

2016-2019 **Bachelor Degree in Statistics and Economics Sciences**
University of Milano Bicocca, discovered the basics of statistics, economics and computer science. Score: **106/110**

2011-2016 **Scientific High School opt. Applied Sciences**
I.T.C.S. Primo Levi Bollate, discovered passion for science and found my study method. Score: **87/100**

EXPERIENCE

2020-Ongoing **Accenture AI, Data Science Analyst**
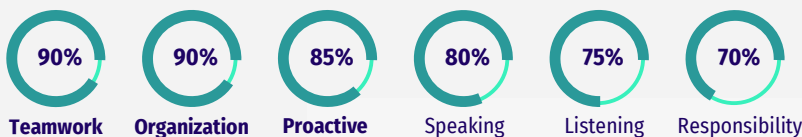Working for a world company to bring data science to big clients.

2021-2021 **Imaging and Vision Laboratory Unimib, Software Developer**
Internship period where I worked on developing an application to automatically create video summaries.
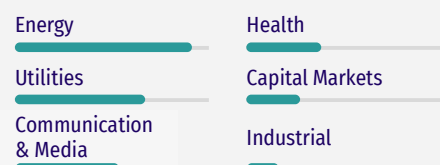
2015-2019 **Lifeguard and Swimming Instructor**
Worked for multiple company as lifeguard (indoor and outdoor pool) and swimming instructor for guys.

SOFT SKILLS

90%	**90%**	**85%**	**80%**	**75%**	**70%**
Teamwork	**Organization**	**Proactive**	Speaking	Listening	Responsibility

SECTORS

Energy	Health
Utilities	Capital Markets
Communication & Media	Industrial

HOBBY

I'm particularly passionate to sports; starting from motor sports, **cycling**, swimming and hiking. I also love camping and **travelling** around the world, with an adventure spirit and curiosity to find new inspirations.

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PROJECTS

● Work   ● University   ● Personal

Master Thesis, Video Summarization — **CV, ML & Mobile**

Analysis and implementation of video summarization algorithms. Development of a multiplatform mobile application (Kivy) to produce video storyboards, skimming and annotation of new videos.

Image Fraud Detection — **Computer Vision**

Image fraud detection based on Azure and Elastic Cloud Framework for retrieve suspicious practices.

Image Personal Data Anonimization — **Computer Vision**

Cloud infrastructure for anonimization of personal data using computer vision models.

Notarization with Bitcoin and OpenTimestamps — **Cybersecurity**

An innovative way to temporally mark documents and texts.

Video/Scene Classification — **Computer Vision**

Combination of Audio and Image Analysis for Video Classification.

Covid-19 Detection from Lung CT images — **ML & CV**

Covid-19 Detection from Lung CT images with Machine Learning models.

Covid-19 Data Visualization & Mail Notification — **Data Visualization**

Dashboard updated daily and mail notification with relevant data.
Tableau infographic: https://public.tableau.com/profile/infografica.covid.19.italia#!/vizhome/Infografica Covid-19_15845411505550/Dashboard?publish=yes

Welcome home with Raspberry — **Computer Vision**

Computer vision algorithm that identifies my family members and greets them when they return home.

A2A Smart Bins Analysis — **Machine Learning**

Prototype-based clustering and concrete applications of the results.

Covid-19 Sequences Classification — **Machine Learning**

Classification of Covid-19 sequences from NCBI with ML-DSP.

COURSES

○ Market Analysis

○ Bitcoin and Blockchain Technology

○ Big Data in Healthcare

○ Cybersecurity

○ Data Management

○ Data Visualization

○ Decision Models

○ Digital Marketing

○ **Digital Signal and Image Management**

○ Econometrics

○ Foundations of Computer Science

○ Juridical and Social Issues in Information Society

○ **Machine Learning**

○ Macroeconomics & Microeconomics

○ Medical Imaging

○ Statistical Modeling

○ Time Series Analysis

○ Text Mining