Mael Vittorio Vena

12 October 1997, Bergamo, Italy

4 Piazzale J. Maritain, Fara Gera d'Adda (BG)

www.maelvena.it

CURRENT JOB POSITION

Università degli studi di Milano - Research fellow
Web scraping/ Machine Learning Algorithms development

Milan
Apr 2023 - ongoing

- My work focuses on creating a data collection system, which combines automated methods such as web scraping and manual techniques, with the aim of developing advanced language models. These models facilitate natural interaction with multimedia data related to intangible cultural heritage.

EDUCATION

Univerisità degli studi di Milano – Grade: 106/110
Master in Informatics
Thesis: "*An automatic acoustic monitor system for goat livestock farming*"

Milan
2021 –2022

Conservatorio Giuseppe Verdi di Milano – Grade: 105/110
Bachelor's degree in Electronic Music
Thesis: *"A composition for a wireless and distributed system for remote music"*

Milan
2016 - 2021

Univerisità degli studi di Milano – Grade: 96/110
Bachelor's Degree Course in Musical Informatics
Thesis: *"An acoustic augmented reality environment for distance learning"*

Milan
2016 - 2020

OTHER JOB ACTIVITIES

Saga Italia

Milan
June - Sept 2014

- Warehouse receipts and deliveries management

Little dely

London
June – Sept 2015

- Waiter and customer management

GreenMarketing SRL

Milan
2019 - 2021

- Web development
- App development
- Jingle composition

Conservatorio Giuseppe Verdi Milano

Milan
Feb - Dec 2019

- Realtime audio manipulation software development for the INTERMUSIC project

Università degli studi di Milano

Milan
2021 - 2023

- App / Machine learning / server side development for the VOCAPRA project

COMPUTER KNOWLEDGES

Systems
Good knowledge of server management with Linux Ubuntu 16.04 and 20.04 systems for the creation of web services and hosting.
Good knowledge of cloud platforms: Amazon Web Service and Microsoft Azure and the main services they offer

Languages
Knowledge of programming languages at university and work level: Java, JavaScript, R, PureData, SQL, C, HTML, PHP, Python, CUDA C

Frameworks and Libraries
Knowledge of frameworks and libraries: React, Flask, Firebase, MongoDB, NGINX

Signal processing and IoT
Good knowledge of the main techniques and technology for the manipulation of audio and mining of the signals acquired during the academic path.
Good knowledge of the main protocols for sensor networks, in particular for communication in Ad-Hoc environments

LANGUAGES, IT SKILLS AND OTHER INTERESTS

Languages: Italian (native); English (fluent); Spanish (native)

Other interests: President and founder of the cultural and environmental association Alisma ODV, Water polo at a competitive level in C series