

Date of birth: 31/07/1989 | **Nationality:** Italian | to.martire@gmail.com | <https://www.linkedin.com/> |

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● WORK EXPERIENCE

01/09/2021 – CURRENT – Rome, Italy

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING ENGINEER – TOPNETWORK S.P.A.

- Develop and test machine learning (ML) and deep learning (DL) algorithms according to client requirements
- Design ML and DL systems applied to Computer Vision and IoT problems
- Develop and design IoT mobile App
- Validate and test on real world use case innovative solutions

01/03/2019 – 31/08/2021 – Lecce, Italy

MACHINE LEARNING ENGINEER – ECHOLIGHT S.P.A.

- Develop and test machine learning algorithm applied on ultrasound images
- Features Engineering for Machine Learning and Data Analytics
- Support in Artificial Intelligence related projects and goals
- Manage team's tasks

01/08/2016 – 28/02/2019 – Milano, Italy

DATA SCIENTIST & RESEARCHER – OSPEDALE SAN RAFFAELE

- Design, develop and test machine learning and process algorithms applied on wearable prototype
- Validate wearable sensors and algorithms
- Support Project Manager in writing deliverables and presentations
- Research and assess critical human wellbeing parameters
- IoT application in eyewear

01/01/2015 – 30/09/2015 – Rionero in Vulture, Italy

INTERN – I.R.C.S.S. - CROB

- Develop custom Image Processing Technique on 3 Tesla MRI
- Research and Test MRI Protocols
- Interact with clinicians

● EDUCATION AND TRAINING

01/04/2013 – 01/04/2016 – Naples, Italy

MASTER OF SCIENCE IN BIOMEDICAL ENGINEER (LM-21) – Università Federico II di Napoli

01/09/2009 – 01/04/2013 – Naples, Italy

BACHELOR DEGREE IN BIOMEDICAL ENGINEER (L-08) – Università Federico II di Napoli

● COMMUNICATION AND INTERPERSONAL SKILLS

Team worker

Capable of discovering the most efficient solution, listening to all the team's requests.

Quick and independent learner

Capable of learning by myself new tools and interested in being updated on new trends and topics.

Strong intuition and imagination

I'd like to figure out solutions imagining what will be happen in the reality.

Social attitude

Interested in making sure that the workplace is a peaceful and comfortable place.

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Machine Learning and Data Analysis

Python | Tensorflow | Signal Processing | OpenCV | Scikit-Learn | Pandas | Statistics and Machine Learning | Streamlit | Matlab | AWS | Linux | Google

Mobile App

Flutter | Dart

Documentation

Microsoft Office | Latex | google

● PUBLICATIONS

Indoor-Outdoor Detection using Head-mounted Color Light Sensors

https://www.researchgate.net/publication/326803895_Indoor-Outdoor_Detection_using_Head-mounted_Color_Light_Sensors – 2018

Digital Screen Detection Using a Head-mounted Color Light Sensor

https://www.researchgate.net/publication/326812481_Digital_Screen_Detection_Using_a_Head-mounted_Color_Light_Sensor – 2018

Indoor-Outdoor Detection Using Head-Mounted Lightweight Sensors

https://www.researchgate.net/publication/339651221_Indoor-Outdoor_Detection_Using_Head-Mounted_Lightweight_Sensors – 2020

Digital Screen Detection Enabled by Wearable Sensors: Application in ADL Settings

https://www.researchgate.net/publication/332992045_Digital_Screen_Detection_Enabled_by_Wearable_Sensors_Application_in_ADL_Settings – 2018

● HOBBIES AND INTERESTS

Music

Amateur producer. Amateur DJ. Love rock, electronic and experimental music.

Food

I love agriculture and genuine, traditional food.

Games

I like table games and videogames.

● DRIVING LICENCE

Driving Licence: B

I authorize the processing of my personal data present in the curriculum vitae pursuant to Legislative Decree 30 June 2003, n. 196 and of the GDPR (EU Regulation 2016/679).