MICHELE MARIA CICIOLLA

Software Engineer

REACH ME

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Location:
Rome

ABOUT ME

I consider myself a genuine robotics and artificial intelligence enthusiast with a strong goal oriented thinking and team working attitude

My interests are Robotics, Computer Vision and Artificial Intelligence

UNIVERSITY

Università La Sapienza Roma

Master of Science in Artificial Intelligence and Robotics

- Sept. 2018 to May 2021
- Specialized in robotics, computer vision and deep learning
- Thesis in computer vision applied to industrial robotics for camera calibration

Università Roma Tre

Bachelor in Computer Science Engineering

- Sept. 2014 to March 2018
- Specialized in automation control and project management
- Thesis in mobile robotics navigation and mapping (**SLAM**)

ACADEMIC PROJECTS

Detection of COVID patients based on their X-Ray images using a neural network
- Python, TensorFlow, CNN

Design of a **controller** for a platoon of autonomous vehicles
- MATLAB

Implementation of a **SLAM** algorithm for a simulated robot geared with a range sensor
- Octave, ICP

LANGUAGES

Italian : NATIVE   Spanish : BEGINNER
English : FLUENT

WORK EXPERIENCE

Software Engineer for Machine Control

Leica Geosystems
October 2022 - now

- Developing and maintaining software for paving machines
- **C++, Qt**

Mobile Robotics and Computer Vision Engineer

Pixies UrbanLab - Startup
September 2021 - September 2022

- Developing and maintaining software of an autonomous sweeper for outdoor cleaning
- **ROS, C++, Python, OpenCV, Docker**

Intern - Robotics Software Engineer

ICAPGROUP
January 2021 - May 2021

- Master thesis for autonomous camera calibration in industrial robotics

SKILLS

Coding Languages:
C++, Python

Frameworks/Systems:
Qt, ROS, OpenCV, Docker, GIT, Matlab/Simulink, TensorFlow

Soft Skills:
Decision Making, Team Player

COURSES

ETH Robotics Summer School

ETH University Zürich (Switzerland)
07/2021

- Tutorials and hands-on sessions on a real mobile robot
- **SLAM**, Path planning, Mission planning, State Estimation
- **ROS, C++**

Advanced training course in collaborative robotics

Experis Academy (Manpower)
09-11/2020

- Universal Robots programming software kit using **RoboDK** and **URSIM**