



## MICHELE MARIA CICIOLLA

Software Engineer

### REACH ME

**Mobile:**

**Email:**

micheleciciolla@gmail.com

**Linkedin:**

[in/micheleciciolla/](https://www.linkedin.com/in/micheleciciolla/)

**Website:**

<https://micheleciciolla.github.io/>

**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

#### PRIVACY CONSENT

I hereby authorize the use of my personal data in accordance to the GDPR 679/2016 "European regulation on the protection of personal data"