



## MICHELE MARIA CICIOLLA

Software Engineer

### REACH ME

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**Website:**

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**Location:**

St.Gallen, Switzerland

### 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, St.Gallen, Switzerland  
October 2022 - now

- Developing new features for a 3D Positioning tracking systems for construction sites machine
- C++, Qt

#### Mobile Robotics and Computer Vision Engineer

Pixies UrbanLab - Startup - Rome  
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:

Team Worker, ZEN Calm

### 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"