# Michele Maria Ciciolla

## Graduating in Robotics and Artificial Intelligence

I consider myself a genuine robotics and artificial intelligence enthusiast with a strong goal oriented thinking and team working attitude. **I'm interested in R&D, Robotics, Artificial Intelligence, Automotive, Space/Defence context.**

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# UNIVERSITY EDUCATION

### Master in Artificial Intelligence and Robotics (EN)
#### Università La Sapienza

*09/2018 - 05/2021*                                          *Rome, Italy*

- Relevant exams : Autonomous and Mobile Robotics, Artificial Intelligence, Vision and Perception, Medical Robotics
- Thesis Project : Developing an automated calibration process for machine vision cameras carried by industrial robots for precision measurements.

### Bachelor in Automation and Computer Science Engineering (IT)
#### Università Roma Tre

*09/2014 - 03/2018*                                          *Rome, Italy*

- Relevant exams : SCADA and PLC Automation Systems, Project Management.
- Thesis Project : Mobile Robot Navigation and Mapping (ROS, Turtlebot)

# WORK EXPERIENCE

### Internship – Robotics Software Engineering
#### STAR srl - ICAP Group

*01/2021 - 05/2021*                                          *Latina (RM), Italy*

- Thesis Topic : Developing an automated process for calibrating cameras carried by industrial anthropomorphic robotics arm.
- Tools: VB.NET, ABB RobotStudio, LMI HexSight

### Advanced training course in Collaborative Robotics
#### Experis (Manpower) and Universal Robot A/S

*09/2020 - 11/2020*

*Practical Applications of Lean robotics using Universal Robot Software Environment, Robotic Cell tasks examples and BUS remote control*

- Main topics: Collaborative Robotics Process design, Siemens PLC fundamentals, Project Management. Case Study Projects.

*reference program:* https://bit.ly/3j7hk4o

### Promoter/sales
#### Save The Children - Telethon

*05/2018 - 09/2018*

*Promoting and sales activity for popular NGOs*

- Team Leading, Team Coordination, Team Working, Marketing, Sales, Customer Communication

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# SKILLS

- Python, VB.NET, Java
- Artificial Intelligence (Tensorflow)
- MATLAB, OpenCV
- Robotics Software (URSim, RobotStudio, HexSight, RoboDK)
- ROS
- OS (Linux, Windows)
- Version Control (GIT)
- Reliability
- Adaptability and Flexibility
- Team Working

# ACADEMIC PROJECTS PORTFOLIO

### Neural Network Classifier of COVID RX images (07/2020 - 09/2020)
- Topics: Fine Tuning of ResNet network to classify Positive/Negative patient RX images from large worldwide dataset (CNN, TensorFlow, Transfer Learning, Python)

### Consensus Strategy for Platooning of Autonomous Vehicles (09/2020)
- Topics : Cruise velocity control, Safety Distance, Platoon of Autonomous vehicles, MATLAB/Simulink.

### Visual/Force Control of Surgical Robot (Da Vinci)
- Topics: Developing the Inverse Kinematics and Visual Servoing Control of a Surgical Medical Robot. (Robotics Kinematics, MATLAB, VREP)

### Simulation of a One-Legged Hopping Robot
- Topics : Underactuated Robots, (MATLAB/Simulink)

### Simulation of a Industrial Brewing Process
- Topics: PLC, Industry Process Simulation, Events management, (VB.NET, iFix, PLC)

### Coding challenges : NextBattle, Pi Campus, Codemotion
- Topics: Logic and problem solving challenges (Python)

# LANGUAGES

English  ●●●●○

Spanish  ●●○○○

# INTERESTS

- Green Technology
- Electric Automotive
- Guerrilla Marketing
- Sport
- Solo Traveling