




INFORMATIONS

 07-12-2000

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 Carrer de Pujades 77-79, Barcelona

 [Portfolio](#)

INTERESTS

- Robotics
 - Intelligent Autonomous Systems
 - Robotic Vision
- Computer Vision
- Software developing
- AI - Machine Learning
 - Deep Learning
 - Reinforcement Learning
- Embedded systems

SKILLS

- Problem solving
- Software project Management
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

LANGUAGES

- English (Fluent)
- Italian (Fluent)
- Spanish (Basics)

MATTEO VILLANI

COMPUTER ENGINEER – AI & ROBOTICS

PROFILE

24 years old innovative and deadline-driven Computer Engineer with growing knowledge in various fields, mostly in Robotics, Computer Vision, and AI. I enjoy working collaboratively but can also manage projects independently. I am ready to contribute my passion and skills to help drive the innovation as a global technology leader. My main interest is focused in the field of Intelligent Autonomous system: developing Robotic software for intelligent systems.

Feel free to check my [Portfolio](#) in order to have a better overview about myself.

EDUCATION

- **ERASMUS PROGRAM PARTICIPATION** FEB 2024 - JULY 2024
Artificial Intelligence & Advanced Robotics
[Graz University of Technology, AT](#)
- **MASTER OF COMPUTER ENGINEERING** 2022 - 2025
Artificial Intelligence & Robotics
[University of Padua, IT](#)
- **BACHELOR OF COMPUTER ENGINEERING** 2019 - 2022
Computer Engineering
[University of Salerno, IT](#)

PROFESSIONAL EXPERIENCE

- **MASTER INTERNSHIP - [PAL ROBOTICS](#)**, Barcelona 2024-2025
Robotics software engineer
 - Designed and implemented a ROS2-based grasping pipeline for Tiago, Tiago++, Tiago Pro robots
 - Integrated perception, 3D reconstruction, grasp pose detection, motion planning and execution to enhance robotic manipulation capabilities;
 - Conducted end-to-end testing in simulation and on real hardware, iterating to optimize performance
- **BACHELOR INTERNSHIP - [RIATLAS](#)**, Salerno 2021-2022
Machine Learning software developer
 - Developed a medical visualization application to improve specialists' monitoring of patient therapy progress;
 - Solved a *Human-activity recognition* problem designing and implementing an LSTM-based ML model in a 3+ member team.