

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name	FORLINI MATTEO		
Address			
Telephone			
Linkedin Profile	WWW.LINKEDIN.COM/IN/MATTEO -FORLINI-4B7300227	Google Scholar Profile	https://scholar.google.com/citations?user=eUi4eGQAAAAJ &hl=it&oi=ao

WORK EXPERIENCE

- | | |
|---|--|
| <ul style="list-style-type: none">• Dates (from - to)• Name and address of the employer• Occupation or position held• Main activities and responsibilities | <p>NOVEMBER 2021-NOVEMBER 2024</p> <p>Polytechnic University of Marche Department of Industrial Engineering and Mathematical Sciences</p> <p>Ph.D. in "Industrial Engineering"</p> <p>Study and development of systems based on artificial intelligence and machine learning in order to improve the interaction between humans and collaborative robots in an industry 4.0 scenario.</p> |
| <ul style="list-style-type: none">• Dates (from - to)• Name and address of the employer• Occupation or position held• Main activities and responsibilities | <p>SEPTEMBER 2020- FEBRUARY 2021</p> <p>Joytek srls
Monsano (AN)</p> <p>Master's degree trainee</p> <p>Design and development of a mobile manipulator: integration of a mobile robot with a collaborative manipulator.</p> |

EDUCATION AND TRAINING

- | | |
|--|---|
| <ul style="list-style-type: none">• Dates (from - to)• Title of qualification awarded | <p>JULY 2022</p> <p>National qualification to practice as an engineer in the industrial sector.</p> |
| <ul style="list-style-type: none">• Dates (from - to)• Name and type of organisation providing education and training• Principal subjects/occupational skills covered | <p>DECEMBER 2021- MAY 2022</p> <p>Polytechnic University of Marche</p> <p>Advanced course Methods and Tools for Mechanics 4.0 with in-depth study of Humanism.</p> |
| <ul style="list-style-type: none">• Dates (from - to)• Name and type of organisation providing education and training• Principal subjects/occupational skills covered• Title of qualification awarded | <p>SEPTEMBER 2019-OCTOBER 2021</p> <p>Polytechnic University of Marche</p> <p>Master's Degree Mechanical Engineering</p> <p>Mechanical engineer</p> |

- Level in national or international classification (if relevant)
- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
- Level in national or international classification (if relevant)

110 cum laude

SEPTEMBER 2016-JULY 2019

Polytechnic University of Marche

Bachelor's Degree Mechanical Engineering

Mechanical engineer

110 cum laude

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas..

NATIVE LANGUAGE

ITALIAN

OTHERS LANGUAGES

ENGLISH

- Reading skills
- Writing skills
- Oral skills

B2
B2
B2

SOCIAL SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

Good ability to work in a team acquired through the role of doctoral student, where discussion and collaboration with other colleagues is essential. Participation in several research projects in partnership with private companies led me to acquire project management and relational skills. In these works I have always taken on the role of group referent and speaker together with the professor, from these experiences I have acquired good communication skills with other people. In addition, I took part in several international and national conferences in the field of robotics where I also presented my work done in English, such experiences improved my communication, expository and leadership skills.

Good adaptive spirit and good aptitude for problem solving skills. The role of scout leader improved my team working and interpersonal skills.

ORGANISATIONAL SKILLS AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

Good organizational skills from experience as a scout leader but especially from doctoral experience where it is required to independently carry out one's own research project. The experience in Joytek and in the CARL research project in partnership with the Santoni Shoes company was formative from the point of view of coordinating a project, being myself the academic contact person for the project, dictating when and how to proceed in implementing it.

TECHNICAL SKILLS AND COMPETENCES

With computers, specific kinds of equipment, machinery, etc.

Good knowledge of windows and related Office 365 programs. Knowledge of MatLab, Labview, SolidEdge, Rhinoceros, Siemens NX, Python, RoboDK, collaborative robot programming. Knowledge of Machine Learning and Computer Vision techniques applied with Python and Matlab libraries.

OTHER SKILLS AND COMPETENCES

Competences not mentioned above.

DRIVING LICENSE(S)

Car driving license

**LIST OF ARTICLES PUBLISHED TO
DATE**

- Forlini, M., Ciccarelli, M., Papetti, A., Carbonari, L., & Palmieri, G. (2023, May). Implementation and Testing of a Shoe Polishing Process with a Collaborative Robotic System. In *International Conference on Robotics in Alpe-Adria Danube Region* (pp. 401-408). Cham: Springer Nature Switzerland.
- Forlini, M., Neri, F., Scoccia, C., Carbonari, L., & Palmieri, G. (2023, May). Collision Avoidance in Collaborative Robotics Based on Real-Time Skeleton Tracking. In *International Conference on Robotics in Alpe-Adria Danube Region* (pp. 81-88). Cham: Springer Nature Switzerland.
- Chiriatti, G., Ciccarelli, M., Forlini, M., Franchini, M., Palmieri, G., Papetti, A., & Germani, M. (2022). Human-Centered Design of a Collaborative Robotic System for the Shoe-Polishing Process. *Machines*, 10(11), 1082.
- Scoccia, C., Menchi, G., Ciccarelli, M., Forlini, M., & Papetti, A. (2022, August). Adaptive real-time gesture recognition in a dynamic scenario for human-robot collaborative applications. In *Advances in Italian Mechanism Science: Proceedings of the 4th International Conference of IFToMM Italy* (pp. 637-644). Cham: Springer International Publishing.
- Neri, F., Forlini, M., Scoccia, C., Palmieri, G., & Callegari, M. (2023). Experimental Evaluation of Collision Avoidance Techniques for Collaborative Robots. *Applied Sciences*, 13(5), 2944.
- Carbonari, L., Forlini, M., Scoccia, C., Costa, D., & Palpacelli, M. C. (2022, November). Disseminating Collaborative Robotics and Artificial Intelligence Through a Board Game Demo. In *2022 18th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications (MESA)* (pp. 1-5). IEEE.

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