

PERSONAL INFORMATION Marcello Palagi**PERSONAL STATEMENT**

Master's degree in Mechanical Engineering with 110/110 at University of Pisa.

The thesis consists in an exoskeletal system for hand, that was employed during the international contest Avatar X-Prise. This competition had seen involved 42 international university that are specialized in robotic and teleoperation.

Scholarship holder at Percro Lab (Laboratory of Perceptual Robotics), the Mechanical Intelligence Institute of Scuola Superiore Sant'Anna, to develop a kinetic rendering system to improve tactile sensation of the same device (2022).

Currently engaged with PhD in Emerging Digital Technologies at the same Percro Lab of Scuola Superiore Sant'Anna di Pisa, in which the Research Project is called "Soft Exos", a type of more wearable exoskeleton for increasing human capabilities'.

EDUCATION AND TRAINING

09/2019–Present

Master's degree in Mechanical Engineering

Università di Pisa, Pisa (Italy)

Validated Exams:

- *Innovative Production processes;*
- *Fundamentals of Electronics;*
- *Fluid-operated Machine Design;*
- *Applied Thermofluid-dynamics;*
- *Supports and lubrication devices Design;*
- *Transducers mechanics;*
- *Numerical Calculation;*
- *Machines Design;*
- *Mechanical Metallurgy;*
- *Computer aided design;*
- *Aerodynamics vehicles;*
- *Mechanical behavior of materials;*
- *Robot mechanics;*
- *Automated controls;*
- *Industrial installations.*

09/2015–02/2019

Bachelor's degree in Mechanical Engineering

Università di Pisa, Pisa (Italy)

- *final mark: 104/110*

- *thesis in Technical Physics:* "Study of a De Laval nozzle using CFD software and comparison with the ideal theoretical model" based on Heat Transfer, Balance Equations and CFD simulation software.

Best Exams:

-General Physics 1;
 -Technique of Mechanical Constructions (Science of Constructions);
 -Analytical Mechanics;
 -Industrial Technical Drawing;
 -Applied Mechanics in Machine Design;
 -Fundamentals of Machine Components Design;
 -Fundamentals of Automatic Controls.

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills - good communication skills gained during my 3 certificated years of theatrical studies and by projects during my university studies

Organisational / managerial skills - ability of working in a team gained during my studies which often involved group projects

Job-related skills - knowledge of Engineering program: Matlab, SolidWorks, Creo Parametric, Ansys (APDL, Workbench Static Structural, Workbench Fluid Flow Fluent), Mathcad, Refprop.
 - good knowledge of the Office Package (Word, Excel, PowerPoint);
 - good knowledge of Latex.

Extra skills -

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Independent user

Digital skills - Self-assessment grid

ADDITIONAL INFORMATION

Treatment of personal data I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - "European regulation on the protection of personal data".

