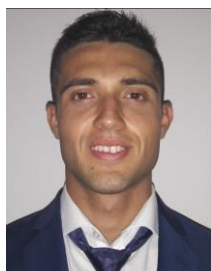


PERSONAL INFORMATION



 Via Pratola 3, 19037, Santo Stefano di Magra (SP), Italy

 +393464946473

 roberto.pitzalis.f@gmail.com

 /roberto-pitzalis-f/

Sex Male | Date of birth 08/07/1995 Nationality Italian

PREFERRED JOB POSITION

Mechanical Engineer (Automation and Mechatronics area)

WORK EXPERIENCE

September 2021 to date



Mechanical engineer, PhD student

ADVR-Advanced Robotic Research Line, Istituto Italiano di Tecnologia

Via San Quirico, 19D, 16163, Genova, Italy

[Advanced Robotics | Home \(iit.it\)](http://www.iit.it)

Development of novel wearable robotic components and technologies. Mainly focused on exoskeletons for human augmentation and rehabilitation.

Robotics and human interaction

August 2020 to September 2021



Mechanical engineer

IGM Srl, Electromechanical & Electronics Systems

Via Trieste, 22, 19020 Follo (SP)

<https://www.igm-online.it/>

Research and development of new electromechanical solutions for railway applications, in particular brake and traction master controller. Drawn up technical specifications, operative procedures, bills of materials.

Railway, space and defence

October 2019 to March 2020



Research Internship

EPFL-LMTS, Soft Transducers Laboratory, Ecole Polytechnique Fédérale de Lausanne

Rue de la Maladière 71b, CP 526, CH-2002 Neuchâtel, Switzerland

<https://www.epfl.ch/labs/lmts/>

ElectroHydroDynamics pumps design optimization to increase performance in terms of hydraulic power density, pressure and flow rate.

Advanced Manufacturing Systems and Mechatronics

May 2017 to July 2017



Mechanical Engineer Internship

Mectron S.p.A.

Rue Loreto 15A, 16042 Carasco (GE), Italy.

<https://mectron.it/>

Optimization tests of pre-stress for piezoelectric transducers used in the medical field.

Medical and dental surgical field.

EDUCATION AND TRAINING

September 2017 to March 2020



UNIVERSITÀ DEGLI STUDI DI GENOVA

September 2014 to July 2017

Master of science degree in Mechanical Engineering-Design and Production Mechatronics-LM33; 110/110 cum laude

University of Genova, Polytechnic School

Via all'Opera Pia, 15, 16145, Genova (GE), Italy

www.meccanica.unige.it

Bachelor of science degree in Mechanical Engineering-Automation and Mechatronics-CL9; 110/110 cum laude



UNIVERSITÀ DEGLI STUDI DI GENOVA

September 2014 to July 2017

University of Genova, Polytechnic School

Via all'Opera Pia, 15, 16145, Genova (GE), Italy

www.meccanica.unige.it

Scientific-Technological High School Diploma. Final grade obtained: 100/100

I.I.S "G. Capellini-Sauro "
 Rue Giacomo Doria 2 (La Spezia)
www.capellinisauro.gov.it

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2-Upper Intermediate	B2-Upper Intermediate	B2-Upper Intermediate	B2-Upper Intermediate	B2-Upper Intermediate
French	A2-Basic user	A2-Basic user	A2-Basic user	A2-Basic user	Enter level

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience as student and worker;
- Capability to listen and interact on group activities;
- Open minded, embracing challenges and innovation;

Organisational / managerial skills

- Autonomy and problem solving gained through work and research experiences;
- Leadership gained in leading small project at University;
- Excellent schedule skills, well organized and keen on details;

Computer skills

- 3D CAD software (PTC-Creo, Catia V5, AutoCAD 2019);
- MATLAB/Simulink/Simscape;
- C, C++ programming skills;
- LabVIEW;
- Good command of Microsoft Office™ tools;

Other skills

- MEMS fabrication in Clean Room environment;
- Rapid prototyping using 3D printer, laser cutting and engraving;
- Scanner 3D Sense;
- Laboratory instrumentation: tin soldering iron, voltmeter, impedance meter, oscilloscope, HV-power supplies, fume-hood, optical microscopes.

Driving licence

- A1, B

ADDITIONAL INFORMATION

Projects

- 2021 to date, *Esoscheletro Collaborativo 2*, iit research initiative funded by INAIL;
- 2015-2016, Underwater wire-guided R.O.V - Project SeaPerch.

Honours and awards

- 2020, Master thesis award in "Mechatronics for Industry 4.0" promoted by Lions Club La Spezia host.
- 2016-2018, Scholarship - Top 8 University students, Mechanical Engineering Department (DIME).

Memberships

- Italian register of engineers.

References

- iit, Researcher Jesús Ortiz, jesus.ortiz@iit.it
- Unige, Prof. Giovanni Berselli, giovanni.berselli@unige.it
- EPFL, Prof. Herbert Shea, herbert.shea@epfl.ch

ANNEXES

I authorize the use of my personal data pursuant to Legislative Decree of 30th June 2003, n. 196 "Code concerning the protection of personal data" and the GDPR (EU Regulation 2016/679).

- Copies of degrees qualifications;
- Certificate of RAMS analysis course (26h)
- Certificate of attendance at English Course level C1 (50h) at iH Newcastle-Upon-Tyne (UK);
- Certificate of attendance at the course Business English;

Signature

