



JASMINE POZZI

24.02.1995, Italy

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+393386523850

Experience in Micro-CT scan, Segmentation, 3D anatomical reconstruction, CAD modeling, FEM simulation in static structural environment, Manufacturing of soft mechatronics.

Good knowledge of Amira software, SolidWorks, Ansys, Processing of silicone materials, Soft actuators (i.e., Pneumatic, SMA, Jamming transition).

Future interests Functional Morphology, Evolutionary Biology, Biomimetics and Bioinspiration, Fluid flow Simulation, Artificial Organs, Soft Materials.

WORK EXPERIENCE

Oct. 2021 –

PhD in BioRobotics

Project “Study and Development of a Biomimetic Soft Total Artificial Larynx”

Soft Mechatronics for BioRobotics Lab

The BioRobotics Institute, Scuola Superiore Sant’Anna, Pisa, Italy

The Department of Excellence in Robotics & AI, Scuola Superiore Sant’Anna, Pisa, Italy

May 2023 – July 2023

Scientific consultancy for Henesis S.r.l.

Arc Intellicare for the Telerehabilitation

In collaboration with SISSA, Trieste in the context of the “PhD for Innovation” call

May 2021 – July 2021

European Solidary Corps, LIFE project “LifeESC360: Monitoring for forest biodiversity in the Italian Natura 2000 Network”

Riserva naturale di Fogliano, Parco Nazionale del Circeo (Sabaudia)

2014 – 2019

Saleswoman; Baby-sitter and School Repetitions

Mariani Fruits and Vegetables shop

Pinalli perfume shop

EDUCATION

Oct. 2018 – Feb. 2021

Master’s Degree in Biodiversity and Evolutionary Biology

University of Milan (MI)

Master Thesis “Anatomical and functional adaptation of the mole rat vestibular system to an underground lifestyle”

Sep. 2019 – May 2020

Internship

Functional Morphology Lab; University of Antwerp (Belgium)

Study of the evolution of animal systems from a mechanistic approach

Sep. 2019 – May 2020	Erasmus+ Scholarship University of Antwerp, Belgium
Oct. 2015 – Oct. 2018	Bachelor's Degree in Biology University of Milan – Bicocca (MI) Thesis "Microplastic particles cause intestinal damage and other adverse effects in zebrafish <i>Danio rerio</i> and in nematode <i>Caenorhabditis elegans</i> "
Feb. 2018 – Apr. 2018	Internship Neurophysiology Lab., University of Milan – Bicocca (MI) Electrophysiological study of nicotinic receptors' regulation in cortical functions and epilepsy with the "patch clamp" method
Oct. 2014 – Sep. 2015	Course in Techniques of Cardiocirculatory Pathophysiology and Cardiovascular Perfusion Centro cardiologico Monzino – University of Milan (MI) Internship in the operating room; intensive care; emergency room
Sep. 2009 – Jun. 2014	Classical High School Diploma Marie Curie High School (Meda, MB)

LANGUAGE SKILLS

Mother tongue	Italian	Other Languages	English - level C1
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PERSONAL INTERESTS and SKILLS

Dec. 2022	Organization of the BioRobotics Institute Christmas Party
Sep. 2021 – Jul. 2022	Volunteering in Animal Shelters Rifugio Tom, Cascina (PI)
May 2009 – Sep. 2013	Summer Camp Animator San Rocco Oratory
Sports	Running; Mountain trips; Horse Riding; Kickboxing; Scuba Diving
Driver's License	B Category

ADDITIONAL INFORMATIONS

Congresses and Publications	• 27 Sep. – 20 Oct. 2023	2nd place at the Hackathon on Epilepsy Project "A virtual reality headset to break down the stigma of the disease" <i>Firenze - 20 Oct. 2023</i>
	• 10 – 13 July 2023	Towards a Soft Artificial Larynx: A Biomimetic Design The 12 th International Conference on Biomimetic and Biohybrid Systems - <i>Living Machines 2023</i> . 1 st place at the poster presentation awards https://doi.org/10.1007/978-3-031-39504-8_4

- 3 – 7 April 2023 **Seashell bioinspired variable stiffness mechanism enabled by hybrid jamming transition**
6th IEEE-RAS International Conference on Soft Robotics – *RoboSoft 2023*
 - 17 Oct. 2022 **Parallel evolution of semicircular canal form and sensitivity in subterranean mammals**
Journal of Comparative Physiology A (2022) 208:627–640
<https://doi.org/10.1007/s00359-022-01578-7>
 - 29 June – 8 July 2021 **Society for the Experimental Biology (SEB) 2021 Annual Conference**
Abstract "Adaptation of the vestibular system to the underground lifestyle of naked mole-rats"
- Certifications**
- July 2023 **SNSI Scuba Diving license**
Open Water Diver, Max. Depth -18m
 - July 2021 **Life GoProFor Project – Theoretical/practical training course for "Expert in forest management for biodiversity conservation, Level 1"**
Riserva Naturale Bosco Fontana (BS)
 - May 2021 **Professional paths for environmental protection: verification of the state of the environment"**
ARPA Lombardia

References

I learned to know Jasmine as a hard-working person who is pleasant to work with. Due to the difficult practical situation (first my maternity leave, followed by the COVID-19 lockdown), she had to work extremely independent, which she did with flying colours. No effort was too much for her, Jasmine was determined to obtain a large dataset and to learn the techniques that were planned (microCT scanning, Fluid-Structure Interaction modelling). Consequently, she gathered an interesting dataset, including more taxa than I originally anticipated. She had less experience in statistical analysis techniques and writing (English) reports than our regular master students. This made those parts of the internship harder for her, although I have to say that she was, again, very independent and eager to learn. Jasmine's discussion surprised me positively, she wrote a very thorough and interesting interpretation of the results, showing that she masters the subject.

Jana Goyens, Tutor at the University of Antwerp, 11/01/2021