Personal Information: GIORGIA SPREAFICO

📍

📞

✉

Sex   Date of Birth   Nationality

I'm a **biomedical engineer** graduated at the University of Pisa. Currently, I'm attending a **PhD program in biorobotics** at Scuola Superiore Sant'Anna. My main research field regards **design and development of innovative endoluminal solutions for advanced diagnosis**. As a member of the Healthcare Mechatronics Lab, I have the chance to be involved in an heterogeneous and stimulating environment. I am an **enthusiastic, creative and self-motivated** person with responsible and committed disposition.

WORK AND TRAINING EXPERIENCE ▪

From 01.09.2021 to Present   **Industrial PHD scholarship in Biorobotics at Sant' Anna School of Advanced Studies, founded by MEDICA S.P.A in Pisa, Italy**

Research Topic:

design and development of endoluminal solutions for advanced diagnosis

From 12.06.2020 to 01.09.2021   **Research Scholarship at the Biorobotics Institute Sant' Anna School of Advanced Studies, Pisa, Italy**

Main responsibilities and activities:

☐ Design and development of innovative sensing systems (capacitive sensors)

☐ Electronic design and development of complex PCB (both rigid and flexible). Selection and integration of off-the shelf electric components

☐ Practical use of laboratory equipment such as oscilloscopes, signal generators, power supplies

	Development of real time applications using Labview® for sensors signal acquisition and processing, measurement analysis and data visualization
	Development of testing setup and protocols
	Mechanical design of components by means of CAD tools (Solidworks®)
From 1.03.2020 to 1.06.2020	**Engineering consultancy work at PRIVATE COMPANY**
	Main activities:
	2D and 3D CAD modelling of dental instruments for third-party company (ASA DENTAL SPA)
14.02.2020	**Master Degree in Biomedical Engineering at University of Pisa, Italy**
	With the original research thesis "Development of a catheter prototype for High Resolution Manometry using capacitive pressure sensors"
	Final mark 110L /110
From May 2017 to June 2018	**Occasional contract work at PRIVATE COMPANY as Product Developer**
27.04.2017 Engineering	**Bachelor Degree in Biomedical (University of Pisa, Italy)**
	With the original research thesis "Stampa 3D su superfici curve di geometria inizialmente non nota" at the Piaggio Research Centre of Pisa.
	Final mark: 103/110
June 2013	**Scientific High School Diploma at "Liceo G.Oberdan", Trieste, Italy**
	Final mark 98/100

PATENTS AND PUBLICATIONS

12 february 2021	**"DISPOSITIVO E SISTEMA DIAGNOSTICO E REALTIVO METODO DI PRODUZIONE"**
	it 102021000003197

Giorgia Spreafico – Curriculum Vitae

PERSONAL SKILLS ▪

Mother tongue   Italiana

Other Lenguages

UNDERSTANDING		SPEAKING		WRITING
Listening	**Reading**	**Spoken interaction**	**Spoken production**	
C1	**C1**	**C1**	**C1**	**C1**
English Academic Certification IELTS (British Council) C1				

English (label appears to the left of the table, aligned with the C1 row)

Computer Skills   **Knowledge and use of the following software:**

- Office (Excel, World, Power Point)
- COMSOL for FEM analysis
- MATLAB and LABVIEW for programming
- SOLIDWORKS and CATIA for 3D modelling
- SLICER for image segmentation and processing
- MESHLAB for mesh manipulation
- EASYEDA for integrated PCB design

Driving Licence   **B**

ADDITIONAL INFORMATIONS ▪

Certifications   **Certification as LabVIEW Associate Developer (CLAD)**
Serial Number: 100-319-17929
Online Certification Phyton Programming (Udemy)
Certification Number: UC-FSG1G0RW

Other Projects and courses   participation to "**Topics in Multilimbed Manipulation**" course held by Professor Mark Cutkosky of Stanford University