

PERSONAL INFORMATION

Laura Bandini

+39



Sex | Date of birth 30/10/1997 | Nationality

PREFERRED JOB

Biomedical engineer in the rehabilitation context

EDUCATION AND TRAINING

November 2022 – current

PhD in Bioengineering and RoboticsUniversità degli Studi di Genova
Supervisor: Vittorio Sanguineti

February 2023 – June 2023

Teacher assistant in Bioengineering of Human Movements

Master degree course in Bioengineering, Università degli Studi di Genova

October 2022 – February 2023

Teacher assistant in Analysis of Biomedical Data and Signals

Master degree course in Bioengineering, Università degli Studi di Genova

September 2022 – November
2022**Fellowship in Dyadic interfaces for the study of sensorimotor interaction**

Università degli Studi di Genova

July 2022

**Passed the government exam in Information Engineering
Mark: 40/50**

March 2020 – March 2022

**Master's degree in Rehabilitation Engineering and Biomaterials
Graduation mark: 110/110 cum laude**

Università degli Studi di Genova

- Thesis: "A mobile application to monitor and contrast cognitive impairment". Project in collaboration with the Center of Cognitive Disorders and Dementia of Galliera Hospital in Genoa. Thesis advisors: Vittorio Sanguineti and Maria Cristina Novello.

September 2016 – March 2020

**Bachelor's degree in Biomedical Engineering
Graduation mark: 96/110**

Università degli Studi di Genova

- Thesis: "On the study of cognitive rehabilitation strategies with robot". Project in collaboration with the Robotics Brain and Cognitive Sciences (RBCS) Department, Italian Institute of Technology (IIT). Thesis advisors: Maura Casadio and Francesco Rea.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1
FCE, December 2015					

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 volunteering experience
 - attitude in team working gained through my studies and projects
 - good ability to interact with people from different background acquired during the CIT (Counselor in Training) activity at Independent Lake Camp, PA.
- I always try to actively participate in the group as I think teamwork is a stimulating and effective way for achieving goals.

Organisational / managerial skills

- background in managing and organizing activities acquired through my volunteering experience and projects
 - ability to manage and coordinate activities acquired through my volunteering experience and projects
- I adapt myself quickly to new situations and always try to acquire new skills that may be useful in my work. I can efficiently manage the time, meeting deadlines, fixing priorities, and working independently.

Computer skills

- good knowledge of C, C++ and Java programming languages and of Matlab
- good knowledge of Microsoft Office™ tools, Android Studio, libGDX and NoSQL Databases
- experience in using Arduino IDE
- basic knowledge of the design software 2D CAD (Autocad LT)

Driving licence

- B

ADDITIONAL INFORMATION

Submissions

- "A cloud-based mobile platform to monitor and counteract cognitive decline" submitted to VIII Congress of the National Group of Bioengineering (GNB) conference in Padova 2023.
- "Predictive processes and action strategies in competitive and cooperative joint action", submitted to Joint Action Meeting (JAM) conference in Budapest 2023.

Project work

- "Tennis movements registration and analysis"- a project for the course of *Sports Biomechanics*, academic year 2021-22.
Data registration and analysis of a tennis movement using markers, cameras, and Matlab.
- "BReATH - Bracelet for REmote Assessment of Temperature and Health" - a project for the course of *Motor control and human performance assessment*, academic year 2020-21.
Development of a wearable sensor (bracelet) for remote monitoring of health using Arduino and appropriate electronic components.
- "Motor unit sorting"- a project for the course of *Analysis of Biomedical Data and Signals*, academic year 2020-21.
Data analysis of an EMG signal referring to the trapezius muscle using Matlab.