

Martina Ferrazza

Biomedical Engineer

Languages

Italian (Mother Tongue)

English (First, B2) French

(Elementary)

Note: the languages scale is from 0 (Beginner)

Hard Skills

MATLAB ○○○○

C ○○○○

3D Slicer ○○○○

CoppeliaSim ○○○○

Microsoft Office ○○○○

LaTex ○○○○

Soft Skills

- Problem Solving
- Teamwork
- Adaptability
- Organization
- Time Management
- Communication

Education

2019 – 2021 **Sapienza University of Rome, Italy** Master's degree

Grade **Biomedical Engineering:**

Thesis topic the screening of heart patients by means of a sensorized T-shirt:
Development of a classification algorithm for

Biomedical Data Analysis, Medical Robotics **Core modules** Biomedical Instrumentation, Electrical Measurements for Biomedical Appli-Biomechanics, Advanced

2016 – 2019 **Sapienza University of Rome, Italy** Bachelor's degree

Grade **Clinical Engineering:**

Thesis topic man trabecular bone specimens: application of 3D algorithms for the calculation of histomorphometric parameters: Processing of microtomographic scans of hu-

Mechanical Measurements, Control Engineering **Core modules:** Electronics, Biomedical Signal Processing,

2011 – 2016 **Liceo classico Cornelio Tacito, Rome (Italy)** High school diploma

Grade **Classical High School:**

Work Experience

March –October 2021 **TECHNOSCIENCE - Parco Scientifico e Tecnologico** this experience taught me how to work in team and to collaborate, integrating knowlegde and competences in common projects. I also learned to respect deadlines and to write technical reports. **Master's thesis project:**

2014 Ongoing – this activity allows me to improve my skills in the field of communication, discipline, organization and planning of work, and helps me to develop problem solving abilities. **Private tutoring** Private lessons in humanities and scientific subjects:

January – May 2017 **Training for Swimming Instructor** **Urbe Nuoto - Sporting Club**

Publications

Conferences

- Ferrazza, M.; D'Abbondanza, N.; Piuze, E.; Pallotti, A. "Statistical classification for the screening of cardiological patients by means of a sensorized T-shirt", in Proceedings of the 2nd International Electronic Conference on Applied Sciences, 15–31 October 2021, MDPI: Basel, Switzerland, doi:10.3390/ASEC2021-11129
- D'Abbondanza, N.; Ferrazza, M.; Piuze, E.; Pallotti, A. "Sensorized T-shirt for cardi-ological patients in telemonitoring", in Proceedings of the 2nd International Elec-tronic Conference on Applied Sciences, 15–31 October 2021, MDPI: Basel, Switzerland, doi:10.3390/ASEC2021-11130
- E. Piuze, A. Pallotti, "Sensorized Shirt, Belt and Socks for telemonitoring and Long-Term Care", Workshop LTC-2021: Social Innovation and Long-Term Care through Digitaliza-tion, 2021 [*accepted*] L. Lucangeli, N. D'Abbondanza, E. D'Angelantonio, M. Ferrazza, V. Camomilla,

Extra-curricular Activities

Certifications

April 2015 **Cambridge English - Language Assessment**

Overall score: 167/179 **First Certificate in English - Council of Europe Level B2**

- May 2017 **1FIN - Comitato Regionale Lazio** the "Allievo Istruttore" license allows you to practice swimming teaching in a Federal Swimming School under the supervision of a Coordinator. **st level Swimming Instructor ("Allievo Istruttore" patent):**
- Dec. 2013 **FIN - Comitato Regionale Lazio**
Lifeguard Qualification ("Assistente Bagnanti" patent)
- May 2011 **AICA - Associazione Italiana per l'informatica ed il Calcolo Automatico** with the ability to operate on a personal computer with common certifies the possession of basic computer skills, which is identified applications and essential knowledge of information technology (IT) at the general user level. **matico ECDL - European Computer Driving License:**
- Oct. 2011 **CMAS - World Underwater Federation** International Certificate Open **Water Diver** Level: one-star scuba diver :
- Awards May 2016 **AICCRE and European Movement Italy**
2 "Let's Become European Citizens" Competition, "Individual Text" category and ranked: