



VIVIANA PAOLINI

BIOMEDICAL AND MATERIALS ENGINEER
MONFALCONE (FVG) - ITALY

ABOUT ME

Biomedical and materials engineer with a passion for project management and research. I am specializing in the world of biomedical technologies to face the challenge of **personalizing treatments** to give patients a **better quality of life**.

I am a determined, **resourceful** and **versatile** person. I am also well-organized, a **fast learner** and proactive in **teamwork**.

LANGUAGE SKILLS

Italian – Native
English – **B2+**

SCIENTIFIC WORK

Co-author: *Knee kinematic during the golf swing: a cross-sectional analysis between groups of different handicaps* (DOI: 10.7752/jpes.2022.01032)

Master thesis co-supervisor: *MyMate – dispositivo per l'automonitoraggio glicemico* (2022) at ISIA Fi

Bachelor thesis co-supervisor: *Electrodes in neurostimulation* (2021) at UniTS

SOFT SKILLS

Team player

Attention to details

Problem solving ability

Good communication skills

WORK EXPERIENCE

RESEARCH SPECIALIST AT VITESY • JANUARY 2022 TO DATE

I develop research and innovation projects at Vitesy (<https://vitesy.com/>), an Italian scale-up company that deals with indoor air purification and IoT devices. I also deal with projects for integrating the company's technology into third party products (typically multinationals).

R&D CONSULTANT AT VITESY • MARCH 2020 – DECEMBER 2021

Member of R&D team. Main activities: R&D support, relationships with subcontractors, research partners and laboratories, technical content creator (including European Calls).

R&D INTERNSHIP AT VITESY • OCTOBER 2019 – FEBRUARY 2020

Post-lauream internship. Main activities: product development and R&D support to research about IAQ and air purification techniques, especially on photocatalysis.

PROJECT MANAGER & RESEARCHER AT JAME PROJECT • DECEMBER 2019 – DECEMBER 2021

Research fellow at the I.R.C.C.S. Ospedale Maggiore MI and at the University of Trieste.

Main activities: Project management and R&D support, **Clinical Protocol definition**, **drafting of Ethical Committee documents**, clinical trial (data collection), data analysis (MATLAB), support in Market Strategy – IP – BM activities, thesis co-supervisor.

SECRETARY AT UNITS • NOVEMBER 2017 – APRIL 2018

Six months as a secretary in the Administration Office of University of Trieste - Internship Office. Main activities: provide information and modules about internships to students and implement the new excel database.

EDUCATION

ENGINEERING ABILITATION EXAM • DECEMBER 2020

Enabled to the profession of engineer by passing the Italian state exam.

MASTER'S DEGREE • MARCH 2019 • 110/110 CUM LAUDE

I Graduated **on time** in Clinical Engineering (BIOMEDICAL curriculum) at the University of Trieste.

Final project: a wearable and non-invasive device for the reduction of the upper limbs tremor (JAME PROJECT). I talked the development of the technology - concept and technical solution's detection, component selection, development of the algorithm for movement classification, proof-of-concept. Also, I played the role of team coordinator.

Main topics of the master's degree: biomaterials, prosthesis, signals and images processing, robotics, molecular simulations, biostatistics.



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AWARDS

EPDA award in Design for Society and Elders (2021)

Targa Giovani at ADI Design Index (2021)

1st place at "Aspettando il Maker fair" contest (2019)

Winner of the *F oundation Ing. Marcello Urban and Maria Ehrl* award for worthy students, award given to the 10 best students of the 1st year in BS (2014)

Giacomo Ciamician fellowship for attending the IX Summer School on Energy "G. Ciamician" (2018)

Fellowships for attending both the XXXVI and XXXVII Annual School of Bioengineering (2017 and 2018)

MY PASSIONS

Figure skating
Traveling
Social network
Sustainability

VOLUNTEERING

Free math and physics lessons during pandemic (2020)

Trieste Next participation as volunteer (2018-2019) and researcher (2021)

BACHLOR'S DEGREE • OCTOBER 2016 • 110/110 CUM LAUDE

I Graduated **on time** in Industrial Engineering (MATERIAL curriculum) at the University of Trieste.

Final project: Non-destructive testing on locked coil carrying ropes used on a bicabled ropeway (collaboration with Security Control SRL).

MASTER EXECUTIVE IN PROJECT MANAGEMENT

I attended a course in project management online held by [Life Learning](#).

ENGLISH SCHOOL • 4 WEEKS

I attended a 4-week English course in 2019 in Bournemouth (South of UK) with Kaplan International Bournemouth. I also passed with merit Grade 8 - Trinity Spoken Test GESE (**equivalent to B2+**).

ENTREPRENEURSHIP COURSE • 200 HOURS

I attended a course in entrepreneurship and management of 200 hours (June – July 2019) organized by Job&School Monfalcone. Main topics: business model, business plan.

EXTRACURRICULAR ACTIVITIES

FIGURE SKATING • 13 YEARS

I practiced both individual and group figure skating. This sport taught me dedication, 360° commitment, organization and team work, but also leadership. **Skating trainer** habilitated (from September 2019).

SCHOOL TUTOR • 9 YEARS

I have been teaching math and physics to middle and high school students since I was 17 years old. My students often reached good results.

ISTITUTIONAL UNIVERSITY COMMITMENT • 2 YEARS

- ⇒ During my master's studies I was the student spokeswoman both Engineering and Architecture Department and MS degree course in Clinical Engineering. I dealt with the communication with students through social networks.
- ⇒ I was one of the members of Quality Assurance group of my master's degree course.

I authorize the use of the personal data contained in my curriculum vitae, according to the law 196/2003.

February 28th, 2022

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