

Vanessa CANNIZZARO



PROFILE

I am a young woman who is curious about the world of work and highly motivated to apply the skills I have learned in my studies. I am responsible and precise, having learned to complete assignments on time during my university career. I possess excellent interpersonal skills and the ability to work well in a team, thanks to the various activities I have undertaken in my free time and the group work I have completed at university. I am a fast learner and am always interested in expanding my knowledge and acquiring new skills.

CONTACT DETAILS

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PERSONAL INFORMATION

Citizenship: **Italian**
Languages: **English** (proficient), **French** (elementary), **Italian** (native)

SKILLS

- ROS
- Python, Matlab, SQL
- Arduino, LabVIEW
- SolidWorks
- OpenSim
- MS Word, Excel, PowerPoint, Access
- Communication and team collaboration

WORK EXPERIENCE

- RESEARCH ASSISTANT at *NEARLab Medical Robotics Section (Milan)*.
◇ Soft robotics, surgical robotics, control systems. **2024.05–pres.**
- SALES REPRESENTATIVE at *Yves Rocher Italia*.
◇ Self-employment contract. **2020–2024.**
- INTERN at *Novartis*.
◇ Research and development. **2018.**

EDUCATION

- MSC IN BIOMEDICAL ENGINEERING, Technologies for Electronics.
Politecnico di Milano. **2021–2024**
◇ Thesis title: *Design and Hysteresis Compensation of a Robot-assisted System for Transesophageal Echocardiography*.
◇ Biomedical technologies, electronics, biosensors, neuroengineering, robotics, motion analysis.
- BSC IN BIOMEDICAL ENGINEERING.
Politecnico di Milano. **2018–2021**
◇ Thesis title: *A Vessel Segmentation Method in Fluoroscopy Images based on a Deep Residual U-Net Architecture for TAVI procedure*.
- SCIENTIFIC HIGH SCHOOL DIPLOMA.
Liceo Scientifico Statale G.B. Grassi. **2013–2018**

ABROAD EXPERIENCE

- HASTINGS (UK), *EF Education First* **2015**
◇ Study period for 3 weeks: English grammar lessons and conversation practice.

CERTIFICATIONS

- TOEIC *English*. **2021**
◇ Score: 870/990.
- CAMBRIDGE FIRST *English*. **2018**
◇ B2 level.

PROJECTS

- DEVELOPMENT OF A MONITORING SYSTEM FOR MOOD DISORDERS' PATIENTS.
◇ Development of a database and graphical user interface (GUI) for an electronic record for patients with mood disorders.
- PPG SIGNAL AUTOMATIC LABELING USING CONVOLUTIONAL NEURAL NETWORKS. ◇ Estimation of specific time events in PPG (photoplethysmogram) signals using convolutional neural networks.
- MOTOR BEHAVIOUR ANALYSIS AND VIRTUAL MODELLING. ◇ Development of a model of the musculoskeletal system and generation of dynamic simulations of movement. The project was implemented using OpenSim software.

VOLUNTEERING

- AVIS - *Associazione Italiani Volontari del Sangue*: regular blood donor.
- Volunteer work: active involvement in volunteering at my hometown's oratory and summer camps.