12/11/1997

Via Fra' Giarratana, 11/c,
Caltanissetta, Sicily

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3277065257

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SOFTWARE

Matlab I AutoCAD I Solid Edge I Comsol I Mimics I Icem I Fluent I Post-CFD I Mathematica I Microsoft Office

LANGUAGE CERTIFICATION

English B2

VOLUNTEERING

Attendance at the 22nd and 23rd National Food Collection Day.

PASSIONS

Art, cuisine, cinema and TV series.

ACQUIRED KNOWLEDGE

Mechanical design principles in the biomedical field I Properties, processing technologies and applications of biomaterials I Choice of processes and materials for tissue engineering and regenerative medicine applications I Working principles of the main diagnostic methods I Principles of medical robotics I Finite Element Method (FEM)

VALENTINA PINTO

BIOMEDICAL ENGINEER

EDUCATION

PhD in Mechanical, Manufacturing, Management and Areospace Innovation

University of Palermo | Jan 2022 - ongoing

- Research Project: Advanced structural characterization of shape memory alloys with superelastic behavior for the design of prostheses and biomedical devices.

Qualification to the profession of engineer

Oct 2021

- Register A, Industrial Section.

Master's Degree in Biomedical Engineering, Biomechanical and Medical Devices curriculum

University of Palermo | Sept 2019 - Oct 2021

- Final grade: 110/110 with honors
- Thesis: New approach to the implementation of PIV analysis for complex cardiovascular problems using SPH synthetic imaging.
- Thesis work: Carried out in the bioengineering group of the Ri.MED foundation.

Bachelor's Degree in Biomedical Engineering, Biomaterials curriculum

University of Palermo | Oct 2016 - July 2019

- Final grade: 101/110
- Final exam: Use of biomaterials in the field of heart valves

Classical High School Diploma

Classical High School Ruggero Settimo of Caltanissetta I 2011 - 2016

- Final grade: 98/100

FORMATION

Merit College Member Camplus College

Palermo | Oct 2016 - July 2021

Colleges network of excellence which combines housing services with additional courses other than the academic ones.
Performed activities:

- Medical English course
- Prosthesis Lab: contest organized by Camplus in collaboration with the Italian Institute of Technology, the final goal was the design and development of a simulative mathematical model in the Matlab/ Simulink environment of an active knee prosthesis in order to apply the knowledge gained during the course of study to a real and concrete case
- MATLAB course
- Time management lab
- Educational workshop on anxiety and stress management