
Filippo Lamberto

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📍 Genoa (GE), Italy

Education

University

📅 2024-In progress

📍 University of Genoa

PhD student in the 'Dynamo' laboratory where problems in dynamics and vibrations concerning turbomachinery are treated.

📅 2021-2024

📍 University of Genoa

Master's degree in "Mechanical Engineering, Design and Manufacturing" with curriculum specialization in land-based vehicles. Exit score of 110/110 with honors.

Participated in various experiences in teamwork for the implementation of parallel projects regarding my course exams.

Thesis on "Design of a robot for the inspection of industrial glass furnaces" in collaboration with SireLab. A functional prototype of the designed robot was also assembled.

📅 2017-2021

📍 University of Genoa

Bachelor's degree in Mechanical Engineering with a score of 109/110.

Knowledge gained in mechanical design, kinematic/dynamic modeling and fundamentals of energetics.

Thesis about "Functional analysis, kinematic modeling and prototyping of the Ford Model T passenger car transmission" with related 3D printing of the prototype.

High school

📅 2012-2017

📍 Scientific high school Luigi Lanfranconi in Genoa (GE)

Graduated with a score of 97/100

Participated for several years in the "Olympiads of Math" competition.

Job

Full-time internship

📅 1/05/2024 - 31/10/2024

📍 Sirelab Srl

Refinement of the robot prototype designed during the master's thesis.

Study on the reverse engineering of axial turbomachinery blades and related calculation of fluid-dynamic performance.

Awards

Innovathon

Second place at the "Innovathon" contest organized by Leonardo S.p.A. A Hackathon format competition where each team was given the goal of creating a mechatronic system. The machine was able to move autonomously and to recognize its surroundings in order to perform specific tasks.

The future is energy

First place at the national competition "The future is energy" held by the Italian Institute of Technology regarding possible innovative solutions in the field of renewable energy. Collaborating with two of my friends, I made a prototype of a hydrogen generator as a possible solution to the problem of storing the electric energy produced.

Skills

Software

- PTC Creo Parametric
- AutoCAD
- MatLab and Simulink
- Microsoft Office softwares
- Basic knowledge of Ansys (Fluent and Turbogrid)
- Basic knowledge of Abaqus

Languages

- Italian-Native speaker
- English-Level B2, Cambridge First Certificate in English