



MONICA GIOVANNUCCI

ADDRESS	Via Podgora 2/D, Bologna (BO)
DATE OF BIRTH	19/09/1990
PLACE OF BIRTH	Sulmona (AQ)
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SOFT SKILLS

- **Excellent Problem-solving skills like:** PCDA method; Brainstorming; Analysis; Logical reasoning; Observation; Questioning.
- **Adaptability skills like:** Time-management; Planning; Organization; Self-confidence; Self-management.
- **Strong teamwork skills like:** Empathy; Active listening; Constructive feedback; Critical observation; Humor; Patience; Diplomacy.

EDUCATION AND TRAINING

November 2022/ongoing	Nanoscience for Medicine and the Environment PhD student 38 th cycle	
June / November 2021	Master E-Mobility & Electric Powertrain Experis Academy	
Academic Year 2017/2018	MSc Degree in Automotive Engineering <i>University of Pisa</i> Master Thesis Title: "Structural Optimization of a Towing Tractor frame"; Work for the <i>Vehicle Construction Exam</i> : "Design of an alternative Dry Single Plate Clutch for the Renault Clio 4".	
Academic Year 2013/2014	BSc Degree in Energy Engineering <i>University of Pisa</i>	
October 2015-October 2016	Public Relation and Media Manager <i>E-Team Squadra Corse (FSAE championship)</i> Sector management (small group); sponsor research and management; team graphics care; team social networks management; team site management and customization.	
October 2014-October 2015	Mechanical Design Engineer <i>E-Team Squadra Corse (FSAE championship)</i> Design of the new steering system; design of the new gearbox and clutch control.	

WORK EXPERIENCE

December 2019 – October 2022	Advanced Technology & Test Professional <i>Toyota Material Handling Manufacturing Italy S.p.a.</i> <ul style="list-style-type: none">- 3D printing (FDM)- Prototypes test planning;- Acquisitions (accelerometers and strain gauges) & Signal Analysis;
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- FEM Analysis and submodeling (Ansys Workbench);
- Rigid body dynamics models (Recurdyn)
- Scrum master (8 hours training in Agile Working)
- Thesis co-supervisor for 3 interns graduating
- Phd co-supervisor (article below)

December 2018- December 2019

Mechanical Design Engineer

Toyota Material Handling Manufacturing Italy S.p.a.

- Prototypes engineering and 3D design (Catia v5);
- Hybrid vehicle systems analysis and design.

June 2018- November 2018

Master Thesis Internship

Toyota Material Handling Manufacturing Italy S.p.a.

Master Thesis work: structural optimization (topologic and parametric) using Ansys Workbench, DOE, test planning, acquisitions analysis.

July 2016

Social Media Manager

Formula SAE Italy 2016

Social networks event management.

ARTICLES

Title Analysis of noise emitted by an engine using an innovative 3D microphone positioning system

Source InterNoise20, Seoul, Korea, pages 4995-5868

Title Simplified Electro-Thermal Model For Lithium Cells Based On Experimental Tests

Source 2020 AEIT International Conference of Electrical and Electronic Technologies for Automotive (AEIT AUTOMOTIVE)

SOFTWARE

Engineering Softwares Recurdyn – 20 hours training on November 2020
 Ansys Workbench – 8 hours training on November 2020
 Catia v5 – Basic Training on January 2019
 Ansys APDL
 Solidworks
 Dymola (or Open Modelica)

Office Excel – 10 hours training on November 2020
 Word
 PowerPoint

Graphics Adobe Photoshop
 Adobe Illustrator

CERTIFICATION

Forklift Certification Licence (8 hours) on June 2021

LANGUAGES

Italian Mother tongue
English B2 level

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 GDPR 679/16.