

Alessandro STAGNI

alessandrostagni1@gmail.com

alessandro.stagni@edu.unige.it

Genova



Education.

Nov. 2021 Today	PhD Candidate – Machine design Università degli Studi di Genova DIME Supervisor: Prof. Flavia Libonati, Prof. Massimiliano Avalle <i>Main field: Composite materials, with focus on numerical-experimental correlation of carbon fibre crashworthiness behaviour</i>
May 2020 Dec. 2020	Master Composite Materials Technologist 240-hour advanced training course about composite materials: from raw materials to production processes passing through design, analysis and structural calculations, with particular focus on carbon fibres.
Oct. 2016 Dec. 2018	Master of Science in Mechanical Engineering – Advance Mechanical Design Politecnico di Milano Evaluation 105/110 Courses held in English Thesis: <i>Influence of lacunae on bone strength and accumulation of microdamage</i> Main topics: Design of mechanical components, TRIZ method, Composite Materials, Lightweight design
Jul. 2018 Oct. 2018	Visiting student at ETH Zurich, Switzerland – Thesis project Laboratory for biomechanics, Supervisor: Prof. Dr. Ralph Müller Development of algorithms and FE analysis for the study of bone microdamage as its morphology varies
Oct. 2017 Jan. 2018	Accademia del freno Brembo Module of eight lessons held by Brembo's manager in collaboration with Politecnico di Milano
Sep. 2012 Mar. 2016	Bachelor's Degree in industrial engineering Università degli Studi di Trieste Eval. 97/110 <i>Curriculum mechanics</i> Thesis: <i>Control and verification of a CFR engine for the calculation of the octane number</i>
Sep. 2007 Jul. 2012	Scientific high school Diploma Liceo Scientifico M. Buonarroti, Monfalcone (GO)

IT skills

Office	Excellent
Inventor	Excellent
Matlab	Good
Python	Good
ANSYS	Good
Abaqus	Good

Working experiences

Research fellow – Università degli Studi di Genova - DIME <i>Main field: Composite materials, with focus on carbon fibre crashworthiness properties</i>	Feb. 2021 Nov. 2021
R&D Engineer – Nadella S.p.A. <i>Tasks: Design and development of innovative solutions; validation testing; structural analysis of mechanical components; drafting of technical drawings and documentation.</i>	Jul. 2019 Jan. 2021
Mechanical Designer Stress analysis – Breda Energia S.p.a. <i>Tasks: Stress state FE analysis in mechanical components, analytical calculation in accordance with the regulation; technical documentation editing.</i>	Mar. 2019 May. 2019