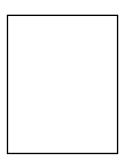
Alessandro **STAGNI**

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Genova





Education.

	PhD Candidate – Machine design			
Nov. 2021	Università degli Studi di Genova DIME Supervisor: Prof. Flavia Libonati, Prof. Massimiliano Avalle			
Today	Main field: Composite materials, with focus on numerical-experimen	ental correlation of carbon fibre		
	crashworthiness behaviour			
May 2020	Master Composite Materials Technologist			
Dec. 2020	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: Influence of lacunae on bone strength and accumulation of microdamage 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	Accademia del freno Brembo			
Jan. 2018	Module of eight lessons held by Brembo's manager in collaboration with Politecnico di Milano			
	Bachelor's Degree in industrial engineering	IT skills		
Sep. 2012	Università degli Studi di Trieste Eval. 97/110 Curriculum mechanics	Office	Excellent	
Mar. 2016	Thesis: Thesis: Control and verification of a CFR engine for the cal- culation of the octane number	Inventor	Excellent	
		Matlab	Good	
Sep. 2007	Scientific high school Diploma	Python	Good	
Jul. 2012	Liceo Scientifico M. Buonarroti, Monfalcone (GO)	ANSYS	Good	
	. ,	Abaqus	Good	

Working experiences

the regulation; technical documentation editing.

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