EDUCATION AND TRAINING	
• Dates	September 2013 – January 2016
• Title of qualification awarded	Master's degree in <b>Aeronautical Engineering</b> at "La Sapienza" University of Rome with the final grade of 110/110 cum laude.
• Principal subjects/professional skills	Thesis: "FSI modeling for aeroelastic stability and response problems". Worked in collaboration with MSC Software in Toulouse (France) for the development of procedures and codes to perform flutter and dynamic response analyses by adopting computational fluid dynamics (CFD) for high fidelity unsteady aerodynamic loads. Competences obtained with first class honors in: FEM analysis (linear and non-linear), experimental testing of structures, computational aerodynamics, fluid-structure interaction, smart structures, advanced composite materials, design optimization, control systems, air traffic control. Awards: - the "Excellence Path" of the Aeronautical Engineering Major to promote the best students by providing extra expertise
	Competitions:
	- "Design/Build/Fly": sponsored by the American Institute of Aeronautics and Astronautics (AIAA), Cessna and Raytheon. Project lasted one year for the development of a radio-controlled aircraft designed for specific missions. Main task performed: structural analysis and testing, production of composite materials, development of multi-body mechanisms, drafting final report.
• Dates	Sentember 2010 - July 2013
• Title of qualification awarded	Bachelor's degree in Aerospace Engineering at "La Sapienza" University of Rome with the final grade of 107/110.
<ul> <li>Principal subjects/professional skills</li> </ul>	Thesis on computational fluid dynamics of scramjet combustors for a European project LAPCAT II in cooperation with the <i>German Aerospace Center(DLR)</i> . Basic learning on engineering subjects focused on the aerospace field: mechanics of solids and structures, aerodynamics, aircraft and space systems.
PERSONAL SKILLS	
<b>M</b> OTHER TONGUE	ITALIAN
OTHER LANGUAGES	<ul> <li>ENGLISH: advanced level both written and spoken (level C1), IELTS certificate obtained at the <i>British Council Rome</i> in September 2014.</li> <li>FRENCH: fluent speaking, good writing.</li> </ul>
Communicational skills	<ul> <li>Taken part in national and international engineering competitions of long or short duration where good communicational skills and team spirit have been gained to solve problem quickly.</li> <li>Grown up in a Italian-French family; periods spent in France and Belgium; gained predisposition to settle and interact in international cities.</li> <li>Carried out lessons on science and engineering for university students; developed attitude for explaining technical issues.</li> <li>Taken part in volunteer work and entertainment for church activities.</li> </ul>
<b>O</b> RGANIZATIONAL SKILLS	Competences in leading a team, dividing workloads and time planning related to deadlines and deliveries. Payload lead in the project for the " <i>Design/Build/Fly</i> " competition. Managed a team for the design, manufacturing and ground/flight testing of mechanical systems.

COMPUTER SKILLS	Software:
	<ul> <li>Structural analysis: MSC Nastran/Patran, Abaqus, COMSOL Multiphysics, ADINA</li> </ul>
	Computational fluid dynamics: ANSYS Fluent, StarCCM+
	CFD mesh generation: ICEM, Gambit
	Multi-body dynamics: MSC Adams
	Numerical computing: Matlab & Simulink, Mathematica
	Design optimization: ModeFRONTIER
	• 3D Design: CATIA
	Documents: Microsoft Office, TeX editors
	Programming languages:
	Fortran
	• C/C++
I ECHNICAL SKILL	fuselages with carbon and aramidic fibers in epoxy resin for a high-tech radio- controlled aircraft.
	Amateur ability in processing of wood and metals and in the creation and maintenance of small electrical systems.
DRIVING LICENSE	В

Autorizzo il trattamento dei miei dati personali, ai sensi del D.lgs. 196 del 30 giugno 2003