

Ermes Floriani

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BIRTH DATE 12 June 1989

EDUCATION *Pre-University studies:*
Technical Institute Michelangelo Buonarroti of Trento, June 2008.
Technical certificate in mechanics.
Mark: 90/100.

Bachelor in Industrial Engineering:
University of Trento, Italy February 2011.
Title: *Manufacturing of sponges of polylactic acid (d-enantiomer) and fibroin with solvent casting and particulate leaching method, and characterization of their porosity.*
Mark: 98/110.

Master in Mechatronics Engineering:
University of Trento, Italy March 2015.
Title: *Mechanical & Electrical design of a UAV's prototype employed in avalanche rescue.*
Mark: 105/110 .

COMPUTER SKILLS *Languages & Software:*
Parametric 3D CAD modeling (Inventor and similar) Microsoft Office, C-sharp, Maple, MapleSim, Matlab, Simulink & Simechanics, Scilab X-Cos, Ansys, Inkscape, Latex.
Operating Systems:
Windows, Linux (basic).

LANGUAGE SKILLS *English:* Level intermediate (B1 certified), used in previous daily job activities.

EXPERIENCE	<i>GIPSA Lab, Inpg</i> Location: Grenoble, France. 35th International Summer School in Automatic Control. • 35 Training hours on Modern Tools for Nonlinear Control.	September 2014.
	<i>TEORESI Spa</i> Location: Torino, Italy. 4 months internship. • Training about using MapleSoft software (multi-domain system modelling and analysis tools).	May 2015.
	<i>TEORESI Spa</i> Location: Torino, Italy. Permanent job. • Working as Application Engineer in the products business unit. - Main projects: Customer: Comau Robots, demo mathematical model of RRRRRR robotic arm with inverse kinematic problem solved in an analytical way thanks to symbolic engine computations (Maple sw). Customer: Electropowersystems, thermo-mechanical lumped model (MapleSim sw) of air conditioning system involed on electrical energy production by a fuel cell.	September 2015.
	<i>ROTALFIN Snc</i> Location: Mezzolombardo TN, Italy. Permanent job (actual). • Working as Industrial Plant Designer of Air Compressed Systems. 3D CAD modeling of overall compressor room with parametric design. - Additional activities: Data processing with Scilab in order to get energy audit focused on air compressor room working. Software development of customer's air pressure equipment maintenance following DM 329/2004.(Visual studio c-sharp).	May 2016.
	Attended a thermography course and got 2nd level skills, following UNI EN ISO 9712.	November 2018.
	<i>DANA Transmission systems Italia Srl</i> Location: Arco TN, Italy. Permanent job (actual). • Working as Application Engineer on Hydromechanical variable transmission in Off-Highway application. - Additional activities: Test field engineer	March 2019.

FREETIME	I'm in charge of membership recruitment of SAT (Alpine Society Tridentina), play piano and go climbing.
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