

Ermes Floriani

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BIRTH DATE	<i>12 June 1989</i>	
EDUCATION	<i>Pre-University studies:</i>	
	Technical Institute Michelangelo Buonarroti of Trento,	June 2008.
	Technical certificate in mechanics.	
	Mark: 90/100.	
	<i>Bachelor in Industrial Engineering:</i>	
	University of Trento, Italy	February 2011.
	Title: <i>Manufacturing of sponges of polylactic acid (d-enantiomer) and fibroin with solvent casting and particulate leaching method, and characterization of their porosity.</i>	
	Mark: 98/110.	
	<i>Master in Mechatronics Engineering:</i>	
	University of Trento, Italy	March 2015.
	Title: <i>Mechanical & Electrical design of a UAV's prototype employed in avalanche rescue.</i>	
	Mark: 105/110 .	
COMPUTER SKILLS	<i>Languages & Software:</i> Parametric 3D CAD modeling (Inventor and similar) Microsoft Office, C-sharp, Maple, MapleSim, Matlab, Simulink & Simechanics, Scilab X-Cos, Ansys, Inkscape, Latex. <i>Operating Systems:</i> Windows, Linux (basic).	
LANGUAGE SKILLS	<i>English:</i> Level intermediate (B1 certified), used in previous daily job activities.	

EXPERIENCE

GIPSA Lab, Inpg September 2014.
Location: Grenoble, France.
35th International Summer School in Automatic Control.

- 35 Training hours on Modern Tools for Nonlinear Control.

TEORESI Spa May 2015.
Location: Torino, Italy.
4 months internship.

- Training about using MapleSoft software (multi-domain system modelling and analysis tools).

TEORESI Spa September 2015.
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.

ROTALFIN Snc May 2016.
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).

Attended a thermography course and got 2nd level skills, following UNI EN ISO 9712. November 2018.

DANA Transmission systems Italia Srl March 2019.
Location: Arco TN, Italy.
Permanent job (actual).

- Working as Application Engineer on Hydromechanical variable transmission in Off-Highway application.
- Additional activities:
Test field engineer

FREETIME

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