

Giovanni Crippa

Curriculum Vitae

via Garibaldi 16
23871 Lomagna (LC), Italy
☎ +39 334 3247467
☎ +39 039 5301513
✉ giovanni.crippa91@gmail.com



Info

Born 24/09/1991 at Monza (MB), Italy
Citizenship Italian
LinkedIn www.linkedin.com/in/giovannicrippa
Driving Licence B, car available

Work Experience

- 11.2018 - ongoing **Continuous Improvement Engineer**, *Fontana Gruppo - Special Fasteners*, Veduggio con Colzano (MB), Italy.
Active member of the Continuous Improvement team. Management and participation in initiatives aimed to share and implement Lean Manufacturing and WCM concepts (5S, VSM, SMED, Pull System, AM, QM) within the production perimeter in order to reduce scrap and improve process efficiency.
- 04.2017 - 10.2018 **Process and Product Engineer**, *Fontana Gruppo - Special Fasteners*, Veduggio con Colzano (MB), Italy.
Management of technical projects related to the development of innovative technical solutions and to the analysis and optimization of cold forming processes applied to special fasteners production and application. Promotion and development of operational changes, guidelines, and best practices aimed to successfully impact on manufacturing efficiency and goodness. Use of FEM software for structural and process analyses.
- 02.2017 - 04.2017 **System Engineer**, *TXT e-solutions*, Milan, Italy.
Validation and testing of avionic software. Incident management and preparation of documentation for the certification in accordance with DO178B guidelines.
- 12.2011 - 02.2014 **Viola Player**, *Antonio Vivaldi Symphonic Orchestra*, Morbegno (SO), Italy.

Education

- 09.2018 - ongoing **Bachelor of Science, Management and Production Engineering**, *Politecnico di Milano*, Milan, Italy.
- 10.2014 - 12.2016 **Master of Science, Space Engineering**, *Politecnico di Milano*, Milan, Italy.
Final grade: 101/110 (top 25% class).
- 09.2010 - 09.2014 **Bachelor of Science, Aerospace Engineering**, *Politecnico di Milano*, Milan, Italy.
Final grade: 102/110 (top 25% class).
- 09.2007 - 09.2013 **Master of Music, Viola**, *Conservatorio G.Verdi*, Como, Italy.
- 09.2005 - 07.2010 **High School Qualification in Scientific Studies, PNI**, *Liceo Scientifico M.G.Agnesi*, Merate (LC), Italy.
I took part to "Mathematical Olympiad and Games": provincial to national championships, both individual and team competitions.

Languages

		Comprehension		Speaking		Writing
		Listening	Reading	Interaction	Production	
Italian	Mother Tongue	<i>C2</i>	<i>C2</i>	<i>C2</i>	<i>C2</i>	<i>C2</i>
English	Advanced	<i>C1</i>	<i>C1</i>	<i>C1</i>	<i>C1</i>	<i>C1</i>
German	Basic	<i>A1</i>	<i>A1</i>	<i>A1</i>	<i>A1</i>	<i>A1</i>

Projects and Courses

04.2018 **Problem Solving**, *École*, Veduggio con Colzano (MB), Italy.

Two days course aimed to learn how to exploit analysis, synthesis, and decision making techniques in order to face problems developing a critical and analytical thinking.

01.2016 - 12.2016 **Master thesis: Facility setup and testing for lunar landing GNC verification**, *Politecnico di Milano*, Milan, Italy.

Study and planning work aimed to the set-up and testing phases of a facility designed to verify the Autonomous Guidance Navigation and Control algorithms developed at Politecnico di Milano in a lunar landing scenario. Drawn up of the system and facility requirements and preliminary evaluation aimed to select the best architecture in terms of their fulfillment. Design of the test bed from the scratch including structural, material, optical, and environmental analyses and implementation of the test campaign.

03.2015 - 07.2015 **TETRIS Mission**, *Politecnico di Milano*, Milan, Italy.

Teamwork design of a space mission aimed to prove the feasibility of the capture of a non-cooperative space debris by means of a tether-net system. The designed configuration allowed the de-orbit and the burning in the Earth atmosphere of the complete system after the capture of a 'target' body by means of a net. The data and results of this mission could be used for future large scale space debris removal programs. I was responsible of Telecommunications and Operations subsystems.

Technical Skills

Language	Matlab (Good knowledge), Simulink (Good knowledge), ADA/95 (Basic knowledge)
OS	Windows (Excellent knowledge), Linux (Good knowledge), Google (Good knowledge)
CAD	DS SolidWorks (Good knowledge), Autodesk Inventor (Good knowledge), Solid Edge (Good knowledge), PTC Creo Modeling (Excellent knowledge)
CAE	MSC Patran Nastran (Good knowledge), Transvalor FORGE (Excellent knowledge), DS Abaqus (Basic knowledge)
Other	Microsoft Office Suite (Excellent knowledge), L ^A T _E X (Excellent knowledge), Photoshop (Basic knowledge), Google Suite (Excellent knowledge)

Social Skills and Competences

Excellent teamwork and leadership capabilities acquired in different contexts.

Expertise in setting, achieving, and monitoring the implementation of innovative ideas.

Analytical mindset and strong problem solving attitude.

Excellent relational and motivational capabilities acquired working and studying in a multicultural context and playing in a water polo team.

Strong organizational attitude and discipline acquired playing in a symphonic orchestra.

Interests and Hobbies

Practicing and watching sports: football, basketball, and aquatics sports.

Carrying out open-air activities: gardening, cycling, day trips.

Playing viola and listening to classical or pop music.

Keeping up to date acquiring and developing new competences.

Traveling - exploring new places and countries.