Gabriele MUNARI
Medical Design Engineer | Process Innovator

⚲ Caprino Veronese 37013, **Verona, Italy**   ⓘ Born in June 1992 (26 years old) in Verona, Italy
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I am a mechanical engineer, with very sound academic background. I want to keep learning and to **push limits**; for this reason I love disruptive new technologies. I desire to **positively impact people lives**, hence my career start is into medical field. I am, by vocation, computer science addicted and I look forward to process digitalisation & automation. My target is to **focus on the worthy**, letting today efforts bear fruit tomorrow. I want to build mutually profitable relationship, shaping tomorrow's reality. I assure all my energy and proactivity dedicated.

⊟ TECHNICAL SKILLS

CAD	**Siemens NX**, Materialise 3-Matic, Autodesk Inventor, Solidworks
Programming languages	**VB.net**, VBA, Siemens **NXopen journaling**, Python, C#
Business Intelligence	Microsoft **PowerBI**, Excel
Anatomy segmentation	Materialise **Mimics**, Synopsys Simpleware
Additive Manufacturing jobs	Autodesk **Netfabb**, Cura
FEM	ANSYS benchmark, ANSYS Mechanical, Autodesk Moldflow
Across-the-board	Office 365, Sharepoint, Teams

📖 PROFESSIONAL EXPERIENCE

Today **June 2018**	**ProMade Product Development & Innovation Engineer, LIMACORPORATE, Udine** ❯ Continuing into Product Developer role, I focus on how innovate and enhance the process. ❯ I've introduced Microsoft **PowerBI** to manage the whole department data. I created several up-to-date reports, integrating different databases. Business trends and KPIs reported are constantly updated. ❯ I've changed team approach to standard components planning evaluation ❯ I've realised complex parametric **CAD templates** : time reduced, robustness increased ❯ I've developed internally VBA office, VB.NET, NX journaling (NXopen), Materialise **scripts** ❯ I'm collaborating with international software suppliers to enhance internal processes ❯ Siemens NX 12, NetFabb and Materalise Innovation Suite beta tester ⸢Innovation⸥ ⸢PowerBI⸥ ⸢Parametric CAD systems⸥ ⸢VBA⸥ ⸢VB.Net⸥ ⸢NX journaling⸥ ⸢NX 12⸥ ⸢Netfabb⸥
June 2018 **February 2017**	**Product Engineer ProMade, LIMACORPORATE, Udine** ❯ Customised orthopedic implants developer, cooperating directly with international surgeons ❯ I have developed **more than 35 orthopedic implants** (20+ hip, 15+ extremities) ❯ I have been the pivot for all the **concurrent engineering** process, communicating externally to customer and Sales Representative. Meanwhile I have internally worked together with Product Specialists, R&D, Manufacturing and Additive department ❯ I have served as facilitator at different company levels, pushing the process to proceed smoothly ❯ I have gained very strong ability in CAD design, particularly in highly parametric concept ❯ I have acted as Project Manager for the single implant, to respect rigid deadlines (surgery dates) ❯ I have provided **active OR theater support** and I attended to several Cadaver labs ❯ I developed a very effective and robust document auto-generation system (saved more than 1500 hours/year). I have coded scripts to enhance process robustness and fluency ⸢Medical devices⸥ ⸢Custom implants⸥ ⸢Orthopedic⸥ ⸢Concurrent engineering⸥ ⸢Siemens NX⸥ ⸢Project Manager⸥ ⸢OR support⸥
January 2017 **May 2016**	**Laboratory Student Collaborator, TE.SI LABS, Rovigo** ❯ Extensive theoretical and experimental analysis to improve an innovative **Metal Additive Manufacturing** process (DLMD, Manudirect AM machine) ❯ I optimised the process by **DOE analysis**. Desired full dense bulk obtained ❯ I evaluated specimens using Scanning Electron Microscope, industrial CT scan and optical roughness. ❯ I obtained optimal substrate distance by ANSYS Fluent CFD analysis, evaluating powder concentration inside Argon fluxes ❯ I coded Matlab specimens dimension evaluation script, based on images analysis ⸢Additive Manufacturing⸥ ⸢DOE analysis⸥ ⸢SEM⸥ ⸢ANSYS fluent⸥ ⸢Matlab⸥

🔤 LANGUAGES

Italian	●●●●●
English	●●●●○
German	●●○○○
French	●●○○○

✛ STRENGTHS

- › Outside-the-box thinking
- › Team Working
- › Pro-activeness
- › Determination
- › Autonomy
- › Combating waste of time and efforts

🎓 EDUCATION

Oct 14 - Dec 16	Master Degree : **Mechanical Engineering** (University of Padua) Curriculum : **Structural analysis and Polymeric processing** Final mark : **110 / 110 with honneurs** Final thesis on metal Additive Manufacturing process optimisation : evaluation of AM suitability and process optimisation, particularly controlling demolding results
Sep 11 - Jul 14	Bachelor Degree : **Mechanical Engineering** (University of Padua) Final mark : **109 / 110** Final thesis on current state-of-art on ceramic materials use : deep literature research, discussion of different solutions and their convenient employment analysis
Sep 06 - Jul 11	Science high school (IIS Marie Curie, Garda (Italy)) Final mark : **96 / 100**

❖ CERTIFICATIONS

Nov 18 - Dic 18	Team & Projects Effectiveness (Dalia Vodice, PMP trainer & coach)
Jun 2018	Entrepreneurship : Communication and work teams Proactivity (IAL)
May 2018	**Mimics** Innovation Course (Materialise)
Jan 2018	**NetFabb** training course (Autodesk)
Jan 2018	Abilitazione : Ingegneria Industriale (University of Padua)
Apr 2017	**Risk Management for medical devices**, ISO 14971 (Tüv)
Sep 2014	**IELTS** English certification, C1 level, Proficient user (British Council)

🚗 MOBILITY

CAR :	Driving license B, car available
GEO-AVAILABILITY :	**Good for relocate and transfers**

💓 INTERESTS

SPORTS :	Mountain trekking, Via ferratas, Bike, Kayak
BOOKS :	PNL, Self-improvement, Thrillers
ARDUINO :	Self regulating irrigation system, Automatic pendulum clock restarter
ASSOCIATION :	CAI, AVIS, AIDO