

Marko Janjic

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WORK EXPERIENCE

3D Platforma DOO

Founder & Design Engineer, Additive Manufacturing

Apr. 2020 – Present

Podgorica, ME

- Founded and operate an additive manufacturing studio delivering two product lines: B2C architectural decorative lighting, and B2B nameplate tile systems for residential buildings
- Apply DFM principles to solve real production problems, for example, I redesigned LED module geometry and added inline resistors to eliminate overheating defects in lighting products, optimizing final product quality and material efficiency
- Manage the full production pipeline: client requirements, CAD modeling, slicing/print setup, and quality control, from initial concept through final delivery
- Wrote a custom script to auto-generate print-ready files for hundreds of individual nameplates from a resident list, eliminating manual input errors

Fantacci Industrie Srl

Fully Remote CAD Designer

Apr. 2021 – Apr. 2026

Poggibonsi, IT

- Fantacci, a leading toolmaker in Italy and Europe, producing precision tools for wooden window and door frame production since 1966
- Led modernization of the company's CAD infrastructure from Pro/ENGINEER to Autodesk Inventor, evaluating PTC Creo, SolidWorks, Autodesk Inventor, and Siemens NX through vendor consultations, then built the base model used for all subsequent tool design with no production downtime during the transition
- Designed precision cutting tools and components for wooden window/door frame production using CAD, working fully remote from Montenegro
- Reduced design cycle time by 75% (1h48m to 27 minutes per tool) by creating intricate macros and a custom companion app to automate repetitive modeling steps and manual parameter entry, which was later adopted by the company's internal design team

DM Kristal DOO

Co-Founder & 3D Designer, Subsurface Laser Engraving

Mar. 2015 – Apr. 2020

Podgorica, ME

- An independent studio specializing in subsurface laser engraving, a precision technology used to etch detailed 3D models inside solid crystal cubes
- Designed a custom centering jig in Fusion 360 to auto-align crystal cubes for laser engraving, eliminating manual measurement and reducing reject rate to near zero

EDUCATION

University of Mediterranean

Bachelor of Science in Information Technology

2020

Podgorica, ME

University of Montenegro

Major: Electrical Engineering

2013 – 2015

Podgorica, ME

SKILLS, TECHNOLOGIES & INTERESTS

• Skills:

- Hard Skills: DFM, CAD Process Optimization, Workflow Automation, Parametric Design, CNC Machining/Routing, Additive Manufacturing
- Soft Skills: Remote Collaboration, Self-Management / Independent Work, Problem-Solving, Attention to Detail, Client Communication

• **Technologies:** CAD/3D Design: Pro/ENGINEER (Creo), Fusion 360, AutoCAD, Inventor, 3Ds Max

• **Interests:** 3D Printing, Woodworking, Cooking & Baking, Skiing, Kayaking, Mushroom Foraging