

matteomule

product design engineer

Product design engineer with 10 years of hands-on experience. I believe in design for all to enhance people's lives, and aspire to more sustainable design. From ideation to production. From small kitchenware to large outdoor infrastructures, through luxury lighting fixtures and high-precision automotive parts. Each design project is different, and this diversity is precisely what I strive for.

expertises

here's what I do

Ideation

Proof of Concepts • Mood Boards • Sketching • Collaborative brainstorming

Development

3D Modeling • Design Iterations • 3D Printing • Concept Presentations • Rendering • Prototyping

Engineering

Detailed production CAD • DFMEA • GD&T • Tolerancing • DFM • Engineering template creation • Stress Analysis • ISO/ANSI drawings

Implementation

Manufacturing ready files creation • Sourcing support • PLM management • Supplier reviews • Process and planning creation • Project management

Support

Tools creation • Sales Support • Continuous Improvement • Client facing document creation • Installation Instructions creation • Troubleshooting • Graphic Design

skills

how I make a difference

Visual-minded • A quick sketch is more effective than a lengthy description.

Curious • Every topic holds the possibility of capturing my attention.

Efficiency-focused • Methodically seeking or creating ways to streamline a task.

Proactive • Staying one step ahead through research and anticipation.

Design-driven • Pushing the aesthetic to the best I can. On a 3D model, a presentation, a spreadsheet, etc.

Data enthusiast • Incline towards redefining internal standards, managing PLM systems or restructuring servers.

Transparent • Emphasizing honesty and openness.

Detail-oriented • Everything is in the fine details.

main work experiences

-  Design Engineer • Comptek • Denver CO, USA • 2020 • 3 years
Design and development of smart poles & modular outdoor infrastructures, for telecom & IoT deployments
-  Lead Design & System Management Engineer • Roll & Hill • New York NY, USA • 2018 • 3 years
Design, development and implementation of high-end lighting fixtures
-  Design engineer & Industrial designer • Freelance • New York NY, USA • 2017 • 6 months
Design and development of various consumer products and medical devices
-  Industrial designer • Art and Cook • New York NY, USA • 2017 • 3 months
Ideation and early development of kitchenware products
-  Design engineer • Valeo • Paris, France • 2014 • 2 years
Mechanical development of an electric-powered turbocharger for Audi
-  Jr. Design engineer • Lang Mekra North America • Columbia SC, USA • 2013 • 1 year
Mechanical development of rear view mirror systems for heavy trucks

education

Master of engineering in Mechanical engineering, Industrial design and Ergonomic (EDIM)
University of Technology of Belfort-Montbéliard (UTBM) • Montbéliard, France • 2013

Technical degree in Mechanical and Production Engineering (GMP)
University Institutes of Technology of Nîmes (IUT) • Nîmes, France • 2010

knowledge

Solidworks · Catia v5 · Inventor · Abaqus · Showcase · Keyshot · 3ds Max · Photoshop · Illustrator · InDesign · Premiere · Office Suite · VBA · Composer · English - Bilingual · French - Native · Italian - Basic · Spanish - Basic

interests



contact

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