



Arsenio Andrea Meomartino

Materials engineer turned product designer — I build the computational systems that turn 3D body scans into individualised, manufacturable devices.

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🌐 meomartino-portfolio.pages.dev

📍 Brussels, Belgium

ABOUT ME

I'm a naturally curious and empathetic person who loves connecting deeply with others and building positive, inclusive spaces. I value respect and open dialogue, and my commitment to veganism reflects my care for animals and the planet. I'm also a CrossFit enthusiast, believing strongly in the power of a healthy mind and body to bring out our best selves.

SOFTWARE

Rhinoceros + Grasshopper

PTC Creo

SolidWorks

Maya

Blender

KeyShot

V-Ray

ShapeDiver

PROGRAMMING & AI

Python

C# / RhinoCommon

Custom GH components

AI-assisted development

LLM tooling & agents

EXPERTISE

Scan-to-CAD

Mesh processing

Design automation

Mass customisation

FDM / SLA printing

Robotic arm (ABB, KUKA)

Biocompatible materials

ACHIEVEMENTS

2024 **European Product Design Award** **1st place**
Medical category

2024 **Braun Prize** **1st place**
Hipcare — paediatric hip orthosis

2023 **SABIC Circul-A-Thon** **1st place**
Circular economy innovation

2023 **BASF Forward Award** **Semifinalist**
Sustainable materials

EXPERIENCE

Design Engineer

Nov 2023 – present

Spentys · Brussels

- Developing 3D models of orthopaedic devices based on 3D scans of the patient's body.
- Developing new orthopaedic products based on customer needs and feedback.
- Automating the digital workflows to enhance replicability, speed of execution and quality.

Industrial Designer

Jun 2023 – Sep 2023

Lowpoly · Madrid

- Integrating computational design techniques to create innovative furniture products such as chairs, lamps and tables.
- Working with a wide range of materials, with a particular focus on recycled and food-waste-derived pellets.
- Developing automated pathways to enhance the precision of the robotic arms (ABB and KUKA) during the printing process.

Freelance Designer

Feb 2023 – Jun 2023

Automotive sector · Barcelona

- Freelance experience in the automotive field: realisation of parametric patterns for a wide range of automotive components.

EDUCATION

2023

Madrid

Master Course in Parametric Design and Digital Fabrication

Controlmad

2021 – 2022

Barcelona

M.A. in Product Design and Development

ELISAVA

2017 – 2021

Milan

B.Sc. in Materials and Nanotechnology Engineering

Politecnico di Milano

LANGUAGES

Italian

native

English

C1

Spanish

C1

French

basic