

Angelica Dianda

Skills

Documentation:

- Microsoft Office
- LaTeX

Engineering Design & Simulation:

- Autodesk Fusion360
- Autodesk Inventor
- SolidWorks
- AutoCAD
- FEM softwares
- Ultimaker Cura

Programming & Data Analysis:

- MATLAB
- Simulink
- Arduino

Multimedia & Visualization:

- Adobe Creative Cloud
- Unity 3D

Language Skills

- **Italian** : Mother tongue
- **English**
 - Listening: B2
 - Reading: B2
 - Spoken production: B2
 - Spoken interaction: B2
 - Writing: B2
- **French**
 - Listening: B2
 - Reading: B2
 - Spoken production: B2
 - Spoken interaction: B2
 - Writing: B2
- **German**
 - Listening: B1
 - Reading: B1
 - Spoken production: B1
 - Spoken interaction: B1
 - Writing: B1

Education & Training

PhD in Advanced-Systems Engineering 2025 – Current
Free University of Bozen Bolzano | Bolzano, Italy

Master’s Degree in Industrial Mechanical Engineering 2023 – 2025
Free University of Bozen Bolzano | Bolzano, Italy

Bachelor’s Degree in Industrial Design Engineering 2019 – 2022
University of Pisa | Pisa, Italy

Work experience

Extracurricular Internship – Mechanical Designer 03/2023 – 09/2023
Sigma Ingegneria Srl | Lucca, Italy
Development and optimization of 3D-printed drone components through CAD, topological optimization, and generative design, aligning with functional and performance specifications.

Conferences & Seminars

ISIEA26 – 5th International Symposium on Industrial Engineering and Automation 17/06/2026 – 19/06/2026
Bolzano, Italy
Abstract accepted “Additive Manufacturing in Consumer Goods: an Exploratory Analysis of Products, Motivations, and Commercial Outcomes”

DESIGN26 19th International Design Conference 18/05/2026 – 21/05/2026
Cavtat, Dubrovnik, Croatia
Accepted paper “Dimensional repeatability in additive manufacturing: assessment and design implications”

ISIEA25 – 4th International Symposium on Industrial Engineering and Automation 18/06/2025 – 20/06/2025
Bolzano, Italy
Accepted paper “Evaluation of Deviations in a Generative Designed Component Fabricated via Additive Manufacturing”

European Congress on 3D Printing and Additive Manufacturing 07/04/2025 – 08/04/2025
Barcelona, Spain
Abstract accepted “Issues with geometric tolerances in 3d printed optimized components”