



Dipl.-Ing. MATTHIAS KNEIDINGER

Industrial designer with an engineering background and strong technical understanding. Several years of experience designing capital goods and visualising complex 3D environments.

Versatility has always been an essential part of my work. I solve problems for people and make sure things work. I pay great attention to detail and the quality of my work. Learning new skills to advance issues is one of my strengths.

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Work Experience

Döllmann Design GmbH - Industrial Design, Vienna

since 2021

Industrial Designer

Key Achievements

- Carried out a tram design build by Alstom for the city of Graz, which was honoured in the "Best of Austrian Design 2024" exhibition
- Realised the design for a large scale tram-train project for Stadler, that included six transportation companies and up to 504 vehicles

Key Responsibilities

- Designed and modelled light and heavy rail vehicles, including specification of surface finishes
- Created photorealistic visualisations of vehicle interiors and exteriors
- Optimised rendering workflows and performance for complex, high-detail 3D models
- Produced multi-level, interactive VR presentations
- Planned and produced product reveal animations for presentations and customer events

Wacker Neuson SE, Hörsching

2020

Design Intern

- Designed and 3D-modelled an industrial controller
- Produced photorealistic visualisations of a new excavator release for marketing purposes

form² GmbH, Linz

2019

Design Intern

- Analysed workshop results to extract key user insights
- Ideated and prototyped a new product generation of professional welding equipment of Fronius

inveo OG | Lumapod GmbH, Grieskirchen

2017

Design Intern

- Contributed to the product design of a Kickstarter project (€ 500.000 funded)
- Conducted competitor analysis to determine market positioning
- Developed new brand identity including logo and colour system
- Supported prototyping and early engineering work

Software Experience

Adobe CC, Affinity

Rhino3D & Grasshopper
Solid Edge | SolidWorks
Fusion360 | Siemens NX
Blender
KeyShot | V-Ray
KrPano

Python

C

OpenGL

Git

Arduino

HTML | CSS

Wordpress | Elementor

vvvv Creative Coding

Soft Skills

Analytical and Organised
Independent and Thorough
Curious and Open-minded
Empathetic and Collaborative

Languages

German, native

English, proficient



Work Experience (continuation)

- 2015 – 2026 **Buma engineering & Anlagenbau GmbH, Linz**
Visual Communication Designer
- Developed and implemented the company's corporate identity across print, digital, video production, trade show booth design and trade show materials
 - Consulted on the website redesign project, including creating graphic assets and managing content
- 2012 – 2015 **Engineer**
- Worked in mechanical engineering for rolling mills, steelworks, and special equipment
 - Created CAD models, technical drawings, assessed tolerances and conducted structural calculations

Certificates

- 2025 **Harvard University**
CS50x: Introduction to Computer Science
- 2023 **University of Michigan**
Python 3 Programming Specialisation

Education

- 2020 – 2024 **Kunstuniversität Linz**
Industrial Design, Master (Dipl.-Ing.)
- Thesis: »Product repairability on the example of an inkjet printer«
 - Graduated with honours
- 2015 – 2019 **Industrial Design, Bachelor**
- Abroad semester: University of Lapland, Rovaniemi, Finland
 - Graduated with honours
- 2007 – 2012 **HTL Wels**
Mechanical Engineering
- Diploma project: »Laboratory bench for framework tensions, strain gauge measurement«
 - Graduated with honours