

Ing. Helena Valentová

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EDUCATION

- 2020 – 2022 Master of Mechanical Engineering**
Brno University of Technology | Brno, Czech Republic
Specialization: Power Engineering
Master's thesis: Heat Exchanger Design for Waste Air Heat Recovery
- 2017 – 2020 Bachelor of Mechanical Engineering**
Brno University of Technology | Brno, Czech Republic
Specialization: Fundamentals of Mechanical Engineering
Bachelor's thesis: CO₂ Sources and Emission Trading System

EXPERIENCE

- 8/2023 – now E.ON (E.GD)**
Trainee – High Voltage Design Department
Responsibilities: Implementing the BIM (Building Information Modeling) system.
- 2/2023 – 4/2023 PKV BUILD**
Technical Specialist
Responsibilities: Processing technical-economical studies with a focus on photovoltaic projects.
- 9/2022 – 1/2023 The International School – Thai Nguyen University, Vietnam**
English Teacher
Responsibilities: Teaching English, composing lessons according to the school study plan and participating in the school's English club.
- 6/2021 – 9/2021 EG.D (E.ON)**
Distribution Supervision - Technical Administrative Assistant
Responsibilities: Processing data (mainly in Excel) about the electrical grid in the E.GD's distribution area in The Czech Republic and other data regarding the company.
- 7/2020 – 9/2020 Institute of Scientific Instruments – The Czech Academy of Sciences**
Cryogenics and Superconductivity – Intern
Responsibilities: Collecting data from measuring devices, processing data from experiments related to Rayleigh-Benard cryogenics convection, and processing data from other small experiments.

ADDITIONAL SKILLS

- Languages: Czech (Native), English (B2), Japanese (A2 – JLPT N4 Certificate)
- Designing tools: Autodesk, AutoCAD, Inventor, SolidWorks
- Programming: HTML, CSS, JavaScript → <https://valentovahelen.github.io/>
- Math Software: Mathcad
- Microsoft Office: Word, Excel, PowerPoint, Outlook
- Driving Licence: Category B