



PROFILE

As a student at the faculty of Mechanical Engineering, I am motivated to learn new things and gain new experiences. Thereby my interests lie in research and development. My personal interests are determined by a sporty and ecological lifestyle. Furthermore, my hobbies include working on technical projects, such as the independent learning of programming languages for web development and electrical engineering projects with the Raspberry Pi and Arduino.

CONTACT

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HOBBIES

Electrotechnical projects
Webdevelopment
Horse riding

VANESSA RATHKE

EDUCATION

HTWG Konstanz: Process and environmental technology (B.Sc.)
2020 - today

Seoul National University of Science and Technology, South Korea
September – December 2021

HTWG Konstanz: Environmental technology and resource management
2018 - 2020

German high school: Friedrich-Wöhler-Gymnasium, Singen
2009 - 2017

WORKING EXPERIENCE

Mercedes-Benz AG: Bachelor's thesis in Future Exterior & Materials
March 2023 – today
The thesis deals with thermodynamics in the field of R&D.

Mercedes-Benz AG: Internship in System Concepts and Realization
September 2022 – February 2023
The internship dealt with prototyping, construction and electrotechnical projects as Arduino programming.

Miltenyi Imaging GmbH: Working student in production transition
October 2020 – April 2021
The activity included the coordination of project implementation in the area of production transition with regard to the topic of digitalization 4.0.

RBR Elektroteam GdBR: Internship in electrics and construction
August – September 2019

ACS Umwelttechnik: Internship in environmental technology
July – August 2019
The project Wave-Project Hypowave: Use of hydroponic systems for resource-efficient agricultural water reuse was supported.

SKILLS

Languages

German (native)	French (B1)
English (fluently, B2/C1)	Italian (B1)

Computer skills

FEA: Ansys (CFD, CFX)	Matlab, Simulink
CAD: Solidworks, Siemens NX	Arduino

Miscellaneous

Technical drawing	Testing experience
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VOLUNTARY ACTIVITIES

University of Konstanz: MINT & Me Mentoring
March 2021 - today
The mentor supports female students in their choice of studies.

University of Konstanz: eLaketric Racing Team
March – September 2022
The team develops a racing motorcycle for the MotoStudent competition