

# 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: Internship in System Concepts and Realization**  
September 2022 – today  
In the field of R&D the following work is done: prototyping, construction, electrotechnical projects.

**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)	MS Office
CAD: Solidworks, Siemens NX	HTML, CSS
Matlab, Simulink	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

**University of Konstanz: Helping Hand**  
December 2020 – July 2022  
International students at the university are supported.



## 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

Phone:  
(+49) 17630170857

E-Mail:  
[Vanessa.rathke@gmail.com](mailto:Vanessa.rathke@gmail.com)

Webpage:  
<https://vanessarathke.github.io/VanessaRathke/>

## HOBBIES

Electrotechnical projects  
Webdevelopment  
Horse riding