JODIE MICHELE **STEINRÖTTER**
Curriculum Vitae

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Billrothstraße 81/1/12, 1190 Wien born on February 23, 2000

University

July 2025 – ongoing | PhD, Medical Imaging, Medical University of Vienna, Austria
- Topic : Development of advanced breast MRI methods using SMURF fat-water imaging

October 2022 – July 2025 | Master of Science, Biomedical Engineering, Vienna University of Technology, Austria
- Main focus : Medical physics and imaging
- Relevant coursework : MRI, Ion beam therapy, radiation physics, medical physics in radiology, pathology
- Master's thesis topic : Dosimetric evaluation and characterization of an X-ray unit for high-precision pre-clinical irradiation applications (radiation oncology, dosimetry)
- Grade : 1.3

October 2019 – September 2022 | Bachelor of Science, Physics, Rheinische-Friedrich-Wilhelms-University Bonn, Germany
- Bachelor's thesis topic : Molecular line emission at the end of the Milky Way's bar (data analysis with Python).
- Grade : 2.1

School Career

2010 – 2019 | Comprehensive School, Gesamtschule Schermbeck, Germany
- General qualification for university entrance
- DPG prize for excellent achievements in the subject physics
- Grade Point Average : 1.2

Experience

July 2024 – September 2024 | Summer School, Hokkaido University, Japan
- Taking different lectures like :
- "A deep look into the brain with MRI"
- "Hands-on machine learning with Python, TensorFlow and Keras"
- "Design of spaceflight vehicles"

March 2024 – July 2024 | Internship, Medical University of Vienna, Austria
- Working on a project about "Diffusion weighted Breast MRI"
- Improving various MRI settings on the 3 Tesla scanner

October 2023 – January 2024 | Project thesis, Vienna University of Technology, Austria
- Title : Dosimetry on collimated carbon beams
- Working at MedAustron, Wiener Neustadt

Competences

Programming language	Python , MATLAB, C
Operating systems	Windows, Linux
Editing software	LaTeX, MS Office
CAD	Autodesk Inventor
Languages	German (Native), English (B2), Latin (Latinum certificate awarded after six years of study), Japanese (A2 level)
Honors	DPG Abitur prize 2019 in recognition of outstanding achievements in the subject of physics, merit-based scholarship 2023 at TU Vienna for excellent academic achievements, merit-based scholarship 2024 at TU Vienna for excellent academic achievements