



Martin Wimmers

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[github](#) | [linkedin](#)

SUMMARY

I am currently pursuing an MSc in Neuroscience, where my research focuses on stimulating the thalamus using transcranial ultrasound. My passion for neuroscience stems from its unique combination of two fields I am deeply interested in: Engineering and Psychology. I thrive in environments where I can create and innovate, and I am always eager to take on challenges, whether working independently or collaborating within a team. I'm comfortable diving into new situations with minimal supervision and excel at bringing ideas to life through a hands-on approach.

EDUCATION

BERUFSKOLLEG WESEL

2015-2018

A-LEVELS ENGINEERING SCIENCE

Consisting of Constructional Engineering, Mechanical Engineering, Electrical Engineering, Math and Physics

RADBOUD UNIVERSITY

2018-2022

BSC IN PSYCHOLOGY

How Perceived Discrimination Effects Negative Linguistic, Intergroup Bias, in a Dutch Minority Sample

Supervisor: Dr. Gijs Bijlstra

RADBOUD UNIVERSITY, DONDERS INSTITUTE FOR COGNITION

2022-2025

MSC COGNITIVE NEUROSCIENCE

Towards Robust Neuromodulation of the thalamus: Biasing Decision Flexibility with Thalamic Ultrasound Stimulation.

VerhagenLab for Cognitive Neuromodulation, PI: Dr. Lennart Verhagen, Supervisor: Dr. Julian Kosciessa

RESEARCH EXPERIENCE

DONDERS INSTITUTE - CENTER FOR COGNITION

02.2022-03.2022, Nijmegen

RESEARCH ASSISTANT

Assisting EEG, EMG and Robot research project of Yvonne Visser on corticomuscular coherence at the Donders Center for Cognition by acquired data of more than 10 pilot subjects.

RADBOUD UNIVERSITY MEDICAL CENTER, RADBOUD UNIVERSITY

2023-2024 / Nijmegen

STUDENT ASSISTANT, 2023 / 2024

VR development for education. Supervisor: Dr. Nils Kohn DCCN

TEACHING ASSISTANT, 2023 / 2024

Course Neuroanatomy. Dissection of human and rat brains. Supervisor: Dr. Marijtje Jongsma DCMN

TEACHING ASSISTANT, 02.2024-07.2024

Workgroup teacher for Research Project 2 part of BSc Psychology

RESEARCH ASSISTANT, 10.2023-08.2024

Cognitive Neuromodulation Lab at Donders Center for Cognition. TUS demonstration and education. Dr. Lennart Verhagen

RADBOUD UNIVERSITY, DONDERS INSTITUTE FOR COGNITION

2023-2025/ Nijmegen

MASTER INTERNSHIP

Research Intern at the Cognitive Neuromodulation Lab of Dr. Lennart Verhagen under the supervision of Dr. Julian Kosciessa. Holistic involvement in conducting a MR/EEG/TUS study.

SKILLS

PROGRAMMING LANGUAGES

Experienced: Python | MatLab | R **Familiar:** Node.js | Bash

NEUROIMAGING TECHNIQUES

EEG acquisition and processing (certified user) | MR acquisition and processing

NIBS TECHNIQUES

Transcranial Ultrasound Stimulation (certified user)

FRAMEWORKS & LIBRARIES

Bidscoin | PsychoPy | PsychToolBox | PRESTUS | K-Wave

LANGUAGES

Native: German **Fluent:** English **Beginner:** Dutch

ADDITIONAL EXPERIENCE

- **Front and Backend Developer at NewHanagar:** Lead the development of robust full-stack solutions, implementing efficient front-end interfaces and scalable back-end architectures to support diverse user needs.
- **Event Management Experience:** Successfully served as the head organizer for more than three major events, overseeing all aspects of planning, administration, and execution to ensure seamless operations and impactful experiences.
- **G.Tec Spring Summer School (2023 & 2024):** Participated in intensive courses focused on cutting-edge technologies, further enhancing my skills in advanced tech solutions and innovation.