Max Schulz

Maria-Goeppert-Straße 9a, 23562 Lübeck

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CURRICULUM VITAE

Personal Information

Date of birth	18.11.1996
Place of birth	Wetzlar
Nationality	German
Family status	Single

Education

05/2024 – now	PhD Student at Obleser Lab (Department of Psychology I), Lübeck University - Focus on delineating target enhancement and distractor suppression in auditory attention
10/2020 - 03/2024	Biology (M. Sc.) University Leipzig - Grade: 1.1 - English C1 - Thesis in acoustic an computational neuroscience, Title: „AI-Supported Evidence For Spectro-Temporal Primary in Auditory Numerosity Judgment“ - Emphasis on neuro- and behavioral science - Tutoring how to prepare, conduct and analyze psychoacoustic electroencephalogram (EEG) experiments with Python - Development of a custom analysis tool which enables EEG-analysis in MNE-Python (AG Schönwiesner) - Attended a six-week course on Bayesian statistics in 2022 (Statistical Rethinking by Richard McElreath) - Development and maintaining IT-Service within AG Schönwiesner

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10/2017 – 10/2020	Biology (B. Sc.) University Leipzig - Bachelor thesis in acoustic neuroscience, Title: „Measuring Auditory Tuning Curves With EEG“
10/2016 – 07/2017	Biology (B. Sc.) Justus-Liebig-University Gießen

Experience

2024	Student Assistant at Max-Planck Institute for Human Cognitive and Brain Sciences in Leipzig - Assisting in implementing electrical cortical field simulations for optimization of transcranial magnetic stimulation approaches (Prof. Dr. Gesa Hartwigsen)
2021 – 2024	Student Assistant at Max-Planck Institute for Human Cognitive and Brain Sciences in Leipzig - Assisting in study preparation, conduction and analysis in the Psychology Department (Prof. Dr. Christian Doeller) - Study types include behavioral, eye-tracking, virtual-reality and fMRI
2019 – 2020	Tutor at ABACUS Nachhilfeinstitut Leipzig - Tutoring High-School students in Biology and Chemistry

Open Source Projects

2020 - now	https://github.com/mxschlz - Python-based platform for running trial-based experiments - Convolutional neural network that mimics human auditory behavior (adapted from Josh McDermott and further developed at AG Schönwiesner, Leipzig)

Academic Interests

Selective Attention – Auditory Scene Analysis – Modeling of the Auditory System – EEG – Deep Learning Methods