PAUL JUSTIN CONNOR SMITH

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EDUCATION

Graf Adolf Gymnasium Tecklenburg 2008-2016
Abitur: 1.0

University of Münster 2016-2019
B.S. in Psychology: 1.7
Columbia University, New York (DAAD Promos Scholarship) 2018
Bachelor thesis: "Predicting Conditioned Stimuli in Spider Phobics: Machine Learning Applications on Electrophysiological Data."
(1.3)

University of Münster 2019-2022
M.S. in Cognitive Neuroscience: 1.2
Master thesis: "Temporal Dynamics of Decision Making and Confidence." (1.0)

University of Münster 2022 - Present
PhD in Cognitive Neuroscience under the supervision of Prof. Dr. Niko Busch.
Focus on the interaction of the alpha rhythm of the human EEG and iconic memory performance.

EXPERIENCE

Institute for Biomagnetism and Biosignalanalysis June 2017 - August 2018; April 2019 - August 2019
Research Assistant *Münster*

· Assisting research on tDCS therapy and fear generalization.
· Conducting MEG scans.
· Statistical data analysis using linear models in R and Matlab.

Precire Technologies GmbH February 2019 - March 2019
Intern *Aachen*

· Statistical analysis of language patterns using machine learning in Python.

Institute of Psychology; Organisational and Business Psychology April 2019 - September 2019; April 2020 - July 2021
Research Assistant *Münster*

· Assisting research on the benefits of machine learning in business psychology.
· Statistical data analysis and implementation of machine learning applications in R and Python.

19. German Bundestag, MDB Kordula Schulz-Asche September 2019 - October 2019
Intern *Berlin*

· Assisting healthcare policy and research on the modernization of the healthcare sector.

Institute of Psychology; Experimental Psychology August 2021 - June 2022
Research Assistant *Münster*

· Conducting EEG scans and assisting the EEG ManyPipelines project.

Institute of Psychology; Experimental Psychology October 2022 - Present
Research Associate *Münster*

· Teaching in the B.S. Psychology program. Focus on scientific research, neuroscience methods, and decision making.
· Research on EEG methods, EEG oscillations, eye-tracking, and memory; statistical data analysis using multivariate models in Matlab, Python, and R.

TECHNICAL STRENGTHS

Technical Skills   Matlab, R, Python, SPSS, Git

PUBLICATIONS

Paul JC Smith & Niko A Busch (2024). Spontaneous alpha-band lateralization extends persistence of visual information in iconic memory by modulating cortical excitability. bioRxiv: Research article on the alpha rhythm of the human brain and its relationship with visual sensory memory.