

Tobias Eder

Scientific Artist | Empirical Aesthetics Researcher

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Psychology researcher and scientific artist working between cognitive neuroscience, empirical aesthetics, and artistic intervention.

RESEARCH EXPERIENCE

- Oct 2025 to present** Research Project Neurocognition | Abdel Rahman Lab, Humboldt Universität zu Berlin
Researching how emotional word valence shapes positivity and negativity bias across interactions with human, android, and robotic agents. Methods include EEG experiments, fMRI analysis in MATLAB, and eye tracking analysis.
- Apr to Jun 2026** Student Intern | CIMeC, University of Trento, Rovereto
Internship in the research group of Professor Carlo Miniussi. Gained experience with cognitive neuroscience, brain stimulation, neurophysiological methods, experimental design, data collection, and analysis.
- Nov 2023 to present** The Peaceful Demonstrator Study | Independent research project
Public art intervention investigating how neutral, confirmative, and paradoxical civic messages shape attention, reflection, and public engagement. The programme connects a public space field study with a planned EEG follow up.

EDUCATION

- Oct 2024 to Nov 2026** M.Sc. Psychology | Humboldt Universität zu Berlin
Focus on cognitive neuroscience, empirical aesthetics, experimental methods, and quantitative research.
- Sep 2019 to Feb 2023** B.Sc. Psychology | Hochschule Fresenius, Berlin
Psychology degree with foundations in research methods, statistics, and applied psychology.
- Sep 2021 to Jan 2022** Study Abroad | Berkeley College and Pace University, New York
Psychology studies in an international academic context.

RESEARCH INTERESTS AND METHODS

Empirical aesthetics | Cognitive neuroscience | EEG | fMRI analysis in MATLAB | Eye tracking | Experimental design
| Public space research | Artistic research

CERTIFICATION

- Nov 2025** Art in Science | Life Science Graduate Centre, Humboldt Universität zu Berlin
Interdisciplinary programme exploring artistic methods as tools for scientific inquiry and public engagement.