

Mohammadhossein Yousefi

Potsdam, Germany

Email: yousefi1@uni-potsdam.de

Web: shahrad-seven.vercel.app

Education

- 10/2024 – today **M.Sc. Cognitive Science**, University of Potsdam
Current average: 1.5
- 09/2020 – 07/2024 **B.Sc. Psychology**, Shahid Chamran University of Ahvaz
Grade: 19.08/20 (approx. German 1.2)
- 2012 – 2016 **High School & Pre-University Studies in Mathematics and Physics**
Iran National Organization for Development of Exceptional Talents (NODET)
Grade: 18.98/20 (approx. German 1.3)

Research & Project Experience

- 04/2026 – today **Research Intern (M.Sc. thesis)**
Potsdam Embodied Cognition Group (PECOG), University of Potsdam *Germany*
- My research asks whether spontaneous eye movements reflect how people mentally organize time and number in space. I combine blank-screen eye-tracking with a spatial arrangement task to compare gaze patterns with participants' explicit spatial representations.
 - Built the PsychoPy eye-tracking experiment and SpAM task in German and English, prepared the OSF preregistration.
- 06/2025 – 04/2026 **Research Assistant**
Potsdam Embodied Cognition Group (PECOG), University of Potsdam *Germany*
- **BOUNCES**: Helped run a study on how people learn relationships between concepts and reorganize that knowledge. Scheduled participants, ran the three-session behavioral experiment, handled compensation, and changed the Python/PsychoPy task when needed. [DFG Project page]
 - **VaccineComm**: Helped with a project studying how vaccine information can be communicated to support informed decisions. Built an interactive web app to explore clearer visualizations, which the team used as a basis for revising the survey; cleaned and analyzed survey data in R, including linear mixed-effects models. [DFG Project page]
- 10/2022 – 09/2023 **Bachelor's Thesis Researcher**
Shahid Chamran University of Ahvaz *Iran*
- Studied two related questions in adolescents: whether music practice is associated with differences in cognition, and whether cognitive abilities are related to musical competence. Recruited 60 participants and ran computerized working-memory, attention, and inhibition tasks. Analyzed the data in R.

Conferences and Talks

- 05/2024 Poster presentation at 10th International Conference on Cognitive Science (ICCS), Iran
- **Yousefi, M.**, Gharibian, M., Peymannia, B. (2024). Comparison of visual-spatial working memory in beginner and advanced music students

Skills

Research Analysis	Eye-tracking; EEG recording; Behavioral & Clinical Psychology Assessments
Programming	Mixed-effects modeling; frequentist and Bayesian statistics
Languages	Python; R; MATLAB; Gorilla; HTML & CSS; C++; LaTeX
	Persian (native); English (C1, TOEFL iBT 105/120); German (B1); French (A1)

Selected Training & Activities

2026	Mobile BCI Bootcamp, University of Potsdam
2025	Comprehensive Training in Cognitive Modeling, Tehran Cognition Center
2024	EEG Signal Acquisition Training, Iran Ministry of Health and Medical Education
2023	Computational Neuroscience Summer School, Neuromatch Academy
2025 – 2026	Cognitive Science Student Council, University of Potsdam
2021 – 2022	Psychology Student Council, Shahid Chamran University of Ahvaz

Honors

2024	Ranked 3rd among 67 students in the Psychology B.Sc. program
2020	Full Tuition Scholarship, Shahid Chamran University of Ahvaz

References

Prof. Dr. Martin H. Fischer

Head of Cognitive Science Program;
PECOG Lab Director
University of Potsdam
martinf@uni-potsdam.de

Dr. Carlotta Isabella Zona

Postdoctoral Researcher;
Project Lead & Direct Supervisor
University of Potsdam
zona@uni-potsdam.de