

Elaheh Akbari

Ph.D. candidate in Computational Cognitive Neuroscience

Contact

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Interested in vision in both humans and machines, with a particular focus on face perception. Specifically, I am curious about the computational principles that drive our visual perception. To explore this, I use artificial neural networks as a testbed for studying the mechanisms underlying human perception.

Technical Skills

- MATLAB
- Python (PyTorch, Matplotlib)
- MRI data analysis (SPM, CAT12)
- Unity Game Engine
- Psychtoolbox
- Microsoft Office/LaTeX

Personal Characteristics

- Organized
- Team-oriented
- Autonomous
- Highly motivated

Academic Highlights

Justus Liebig University Gießen, Germany

Ph.D. Candidate Computational Cognitive Neuroscience | 2023-present

Ecole Normale Supérieure, Paris, France

Internship - Computational Neuroscience | 2022

Sapienza University, Rome, Italy

M.Sc. Cognitive Neuroscience | 2019-2021

Amirkabir University of Technology (Polytechnic of Tehran), Tehran, Iran

B.Sc. Chemical Engineering | 2008-2014

National Organization for Development of Exceptional Talents High School, Tehran, Iran

Mathematics and Physics | 2004-2008

Research Interests

- Perception and Memory
- Machine Learning Applications in Neuroscience
- Computational Psychiatry

Trainings and Experiences

Justus Liebig University Giessen | Large Language Models in Brain Research

Organizer | 2025

Conference of Experimental Psychologists (TeaP) | Goethe University Frankfurt

Teacher assistant in "Deep learning in psychology" workshop | 2025

Justus Liebig University Giessen | Bayesian Modeling

Participant | 2024

Languages

English: Advanced

French: Upper Intermediate

German: Intermediate

Farsi: Native

Justus Liebig University Giessen | Grant Application Writing workshop

Participant | 2023

Barcelona Summer School For Advanced Modeling of Behavior

Participant | 2023

University of Genova | Machine Learning Crash Course

Participant | 2022

Neuromatch Academy

Student at Computational Neuroscience Course | 2020

Student at Deep Learning Course | 2022

Teacher assistant | 2021

Knowing Neuron

Guest Contributor | 2021