Hamed Karimi

Contact Information

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Education

Ph.D., Psychology (Computational Cognitive Neuroscience), 2021 - present
Boston College, Boston, MA
Advisor: Stefano Anzellotti

M.Sc., Computer Science,
Amirkabir University of Technology, Tehran, Iran 2020
Thesis: Temporal Dynamics of Visual Information Processing in Patients with Mild Cognitive Impairment (MCI)
Advisor: Seyed-Mahdi Khaligh-Razavi

B.Sc., Computer Science, University of Tehran, Tehran, Iran 2017

Academic Positions

PhD candidate at The Social and Computational Cognitive Neuroscience lab
Research: Studying self-supervised models of the human brain

Research Assistant at Khaligh Lab

Honors and Awards

Boston College Donald J. White Teaching Excellence Award 2025

Best paper award at Iranian Symposium of Brain Mapping Updates 2019

Ranked 2nd in Iranian National RoboCup Contest, 2D Soccer Simulation 2010

Professional Experiences

Cengage Group, Boston, MA 2022
Data Science Intern

Cognetivity Neurosciences ltd., London, UK 2020 - 2021
Machine Learning Research Intern

Pinket, Tehran, Iran
Data Scientist 2020

System Group, Tehran, Iran
.NET Full Stack Developer 2019 - 2020

Teaching & Mentoring Experiences

- Neuromatch Academy - Mentor and TA July 2020, 2021
- Undergraduate thesis co-advisor, Psychology Dept., Boston College Fall, 2024
- Brain, Mind and Behavior course,
  Boston College - TA Fall 2023, Spring & Fall, 2024
- Cognitive and Neural Bases for Person Knowledge course,
  Boston College - TA Spring, 2022
- Social Psychology course, Boston College - TA Fall, 2021
- Introduction to Programming course,
  Amirkabir University of Technology - Lecturer Fall, 2017
- Data Structures course, University of Tehran - TA Fall, 2013

- Advanced Programming course, University of Tehran - TA — Fall, 2012

Invited Talks

- Stanford NeuroAI Lab — 2025
- Boston College Winter Retreat Seminars — 2024

Working & Representative Publications

Complete List at my **Google Scholar**

Karimi H., Wang J., Anzellotti S. (2025), *The Representational Organization of Static and Dynamic Visual Features in the Human Cortex*, Journal of Neuroscience (Featured on the journal cover). [Link]

Karimi H., Anzellotti S. (2025), *Visual Representations in Humans and Machines: a Comparative Analysis of Artificial and Biological Neural Responses to Naturalistic Dynamic Visual Stimuli*, In prep.

Karimi H., Anzellotti S. (2024), *Comparing Representations in Static and Dynamic Vision Models to the Human Brain*, NeurIPS workshop of Unifying Representations in Neural Models. [OpenReview]

Karimi H., Wang J., Arangio N., Anzellotti S. (2023), *Modeling fMRI responses to complex dynamic stimuli with two-stream convolutional networks*, Visual Sciences Society (VSS 2023). [Abstract]

Karimi H., Marefat H., Khanbagi M., Vahhabi Z., Kalafatis C., Modarres MH., Khaligh-Razavi S-M. (2022), *Temporal dynamics of animacy categorization in the brain of patients with mild cognitive impairment*, PLOS ONE. [Link]

Academic Services

Invited Reviewer
Conferences: NeurIPS, ICLR
Journals: Frontiers in Neuroscience