

Ammar I Marvi

+1 (951) 217-5081 | amarvi@fas.harvard.edu | aimarvi.github.io

EDUCATION

| | |
|---|------------------------|
| Harvard University | 2025 – |
| <i>Ph.D. in Psychology</i> | <i>Cambridge, MA</i> |
| Massachusetts Institute of Technology | 2023 – 2025 |
| <i>Advanced Study Program</i> | <i>Cambridge, MA</i> |
| University of California, Los Angeles | 2023 |
| <i>B.S. in Neuroscience, minor in Statistics & Data Science, Arabic & Islamic Studies</i> | <i>Los Angeles, CA</i> |

EXPERIENCE

| | |
|---|------------------------|
| Harvard University | 2025 – |
| <i>Adv: Talia Konkle</i> | <i>Cambridge, MA</i> |
| • Visual perception and cognition in intelligent systems. | |
| Massachusetts Institute of Technology | 2023 – 2025 |
| <i>Adv: Nancy G Kanwisher</i> | <i>Cambridge, MA</i> |
| • Studying the functional landscape of the human brain. | |
| University of California, Los Angeles | 2021 – 2023 |
| <i>Adv: Alcino J Silva</i> | <i>Los Angeles, CA</i> |
| • Learning and memory deficits in mouse models of Noonan's Syndrome. | |
| Cedars-Sinai Medical Center | 2020 |
| <i>Adv: Josh Burda</i> | <i>Los Angeles, CA</i> |
| • Molecular and cellular regulation of regenerative synaptic circuit remodeling after traumatic CNS injury. | |
| <i>Adv: Akil Merchant</i> | |
| • Studying diffuse large B-cell lymphomas and associated Hedgehog signaling in blood cancer patients. | |

PUBLICATIONS

Papers

- Marvi, A.I.[†], Hutchinson, S.[†], Fedorenko, E., Saxe, R.R., Kamps, F.S., Regev, T.I., Chen, E.M., Kanwisher, N.G. (2025) **An efficient multifunction fMRI localizer for high-level visual, auditory, & cognitive regions in humans.** *Imaging Neuroscience*
- Marvi, A.I., Kanwisher, N.G., Khosla, M. (2025) **Sparse components distinguish visual pathways & their alignment to neural networks.** *ICLR*

Posters

- Xu, R., ..., Marvi, A.I., ..., Richardson, M. (2024) **Dissection of functional networks in the human brain using electrical stimulation and fMRI.** *Society for Neuroscience*
- Marvi, A.I.[†], Zhuang, C.[†], Dobs, K.[‡], Kanwisher, N.G.[‡] (2024) **A single computational objective may not be sufficient for human-like face discrimination.** *Conference on Cognitive Computational Neuroscience*
- Marvi, A.I., Almeida-Filho, D., Silva, A.J. (2023) **Benchmarking the tracking of cells in longitudinal miniscope recordings across sessions.** *UCLA Undergraduate Creativity & Research Showcase*

AWARDS

| | |
|---|------------------|
| Spotlight distinction | 2025 |
| <i>The Thirteenth International Conference on Learning Representations (ICLR)</i> | <i>Singapore</i> |

LEADERSHIP & SERVICE

DataRes

2022 – 2023

Research team

Los Angeles, CA

- * Led a student research group studying ML approaches to NLP, computer vision, and diffusion model tasks.

Nu Rho Psi

2021 – 2023

External Vice-President

Los Angeles, CA

- * Organized outreach and networking events, hosted research days and seminars, co-led research symposiums with UCLA faculty, taught undergraduates on neuroscience methods and journal club presentation.

BEAM

2021 – 2023

Student teacher

Los Angeles, CA

- * Taught students at Title-1 elementary schools via educational STEM activities. Designed interactive and informative curricula.

UCLA Health Clinic

2020

Cardiovascular team

Santa Monica, CA

- * Contributed to meta-analyses on the effect of RAAS blockers on COVID-19 patients worldwide

Bruin Review

2019 – 2020

Science writer

Los Angeles, CA

- * Challenged traditionally taboo topics and encouraged civil discourse amongst UCLA students in topical science-related research.