

# Ammar I Marvi

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## EDUCATION

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

## EXPERIENCE

<b>Harvard University</b> <i>Adv: Talia Konkle</i> <ul style="list-style-type: none"><li>Visual perception and cognition in intelligent systems.</li></ul>	2025 – Cambridge, MA
<b>Massachusetts Institute of Technology</b> <i>Adv: Nancy G Kanwisher</i> <ul style="list-style-type: none"><li>Studying the functional landscape of the human brain.</li></ul>	2023 – 2025 Cambridge, MA
<b>University of California, Los Angeles</b> <i>Adv: Alcino J Silva</i> <ul style="list-style-type: none"><li>Learning and memory deficits in mouse models of Noonan's Syndrome.</li></ul>	2021 – 2023 Los Angeles, CA
<b>Cedars-Sinai Medical Center</b> <i>Adv: Josh Burda</i> <ul style="list-style-type: none"><li>Molecular and cellular regulation of regenerative synaptic circuit remodeling after traumatic CNS injury.</li></ul> <i>Adv: Akil Merchant</i> <ul style="list-style-type: none"><li>Studying diffuse large B-cell lymphomas and associated Hedgehog signaling in blood cancer patients.</li></ul>	2020 Los Angeles, CA

## PUBLICATIONS

### Papers

- Marvi, A.I.<sup>†</sup>, Hutchinson, S.<sup>†</sup>, Fedorenko, E., Saxe, R.R., Kamps, F.S., Regev, T.I., Chen, E.M., Kanwisher, N.G. (2025) **An efficient mulitfunction 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.<sup>†</sup>, Zhuang, C.<sup>†</sup>, Dobs, K.<sup>‡</sup>, Kanwisher, N.G.<sup>‡</sup> (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

<b>Spotlight distinction</b> <i>The Thirteenth International Conference on Learning Representations (ICLR)</i>	2025 Singapore
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### **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.