

HEMALI ANGNE

h.angne@rutgers.edu

EDUCATION

Rutgers University - New Brunswick
M.S. Computer and Information Sciences
Ph.D. Computer Science (Advised by Qiong Zhang)

Fall 2021-Present
GPA: 3.92/4.0
Joined Fall 2023

Mumbai University
B.E. Computer Engineering

2016-2020
Overall score: 9.01/10

EXPERIENCE

Memory Optimization Lab

P.I.: Dr. Qiong Zhang

Graduate student

2023-Present

- Making use of computational modeling to study human memory by placing it in realistic settings, including studying it as people interact with each other and studying it with naturalistic stimuli.

Socially Cognizant Robotics cluster

Graduate fellow

2023-Present

- Funded by the SOCRATES (Socially Cognizant Robotics for a Technologically Enhanced Society) NSF NRT grant. Completed a certificate program focused on the reflective and responsible development of technologies. ([Link](#))
- Organized Novice 2 Expert Robotics Club events for the year 2024-2025, where students learn robotics concepts from each other in a non-intimidating environment

PUBLICATIONS

Journal articles

- Angne, H., Cornell, C.A. & Zhang, Q. A context-based model of collaborative inhibition during memory search. *Sci Rep* 14, 27645 (2024). ([Link](#))

Conference proceedings

- Angne, H., Mishra, S., Lin, G., & Zhang, Q. (2025). Summarization Reflects Characteristics of Memory Recall. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 47. (Pending publication)
- Angne, H., Cornell, C., & Zhang, Q. (2024). Why Two Heads Together are Worse Than Apart: A Context-Based Account of Collaborative Inhibition in Memory Search. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 46. ([Link](#))

PRESENTATIONS

Linking summarization and memory recall

Angne, H., Mishra, S., Lin, G., & Zhang, Q. Summarization Reflects Characteristics of Memory Recall.

- June 2025, Spoken presentation given at Virtual MathPsych/ICCM 2025.
- July 2025, Poster presentation given at the 47th Annual Conference of the Cognitive Science Society, San Francisco, CA, USA.

Memory recall in groups

Angne, H., Cornell, C.A., & Zhang, Q. *Why two heads together are worse than apart: A context-based account of collaborative inhibition in memory.*

- May 2024, Poster presentation given at the 20th Annual Context and Episodic Memory Symposium, Philadelphia, PA, USA.
- July 2024, Spoken presentation given at the joint 57th Annual Meeting of the Society for Mathematical Psychology and 22nd International Conference on Cognitive Modeling, Tilburg University, the Netherlands.
- July 2024, Poster presentation given at the 46th Annual Conference of the Cognitive Science Society, Rotterdam, the Netherlands.
- September 2024, Poster presentation given at the 4th Annual Rutgers Robotics Workshop 2024, New Brunswick, NJ, USA.
- November 2024, Poster presentation given at MathPsych @Psychonomics Satellite Meeting 2024, New York City, NY, USA.

HONORS & AWARDS

Graduate Student Diversity Award sponsored by The Cognitive Science Society, July 2025

AFFILIATIONS

Member, Cognitive Science Society	<i>2024-Present</i>
Member, Society for Mathematical Psychology	<i>2024-Present</i>