

Tarun Sepuri

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EDUCATION

Case Western Reserve University

Cleveland, OH

Bachelor of Science in Computer Science, Bachelor of Arts in Cognitive Science

Aug 2019 – May 2023

GPA: 3.9/4.0 | *Magna cum laude*

Courses: Cognition and Computation, Cognitive Neuroscience, Cognitive Linguistics 1 and 2, Natural Language Processing, Second Language Acquisition, Machine Learning, Ethics of AI, Software Craftsmanship

RESEARCH EXPERIENCE

Lab Manager

Sep 2024 – Present

University of California, San Diego

Department of Psychology

Advisor: Prof. Bria Long

Visiting Undergraduate Research Fellow

Jun 2024 – Aug 2024

Harvard University

Department of Psychology

Advisor: Prof. Erika Bergelson

Research Assistant

May 2021 – May 2023

Case Western Reserve University

Department of Computer Science

Advisor: Prof. Soumya Ray

CONFERENCE PROCEEDINGS

Sepuri, T., Zettersten, M., & Long, B. (2025). Examining the precision of infants' visual concepts by leveraging vision-language models and automated gaze coding. *Proceedings of the 2025 Conference on Computational Cognitive Neuroscience*.

Yang, J., **Sepuri, T.**, Tan, A., Frank, M., & Long, B. (2025). Quantifying infants' everyday experiences with objects in a large corpus of egocentric videos. *Proceedings of the 2025 Conference on Computational Cognitive Neuroscience*.

Haskins, A., **Sepuri, T.**, & Long, B. (2025). Knowledge differences affect gaze behavior during naturalistic object exploration. *Proceedings of the 2025 Conference on Computational Cognitive Neuroscience*.

Nelson, N., Kas, I., **Sepuri, T.**, et al. (2025). The Effects of Artificial Intelligence Assistants on the Acquisition of Laparoscopic Surgical Spatial Navigation Skills. *2025 International Symposium on Medical Robotics (ISMR)*, 136–142.

SKILLS

Coding Languages: R, Python, TypeScript, JavaScript, Java, SQL, HTML/CSS

Frameworks: tidyverse, PyTorch, pandas, NLTK, vLLM, Next.js, Vue.js, Django, Node.js

Languages: English, Telugu

HONORS AND AWARDS

- ACM Outgoing Student Award, Case Western Reserve University (May 2023)
- Junior Senior Scholarship, Case Alumni Association, Case Western Reserve University (Aug 2021)
- Outstanding Outgoing Student, The Hyderabad Public School (May 2019)

TEACHING EXPERIENCE

Teaching Assistant

Aug 2021 – May 2023

Case Western Reserve University

Cleveland, OH

- Led 6 weekly discussion sections in total for Software Craftsmanship for Fall 2021, Fall 2022 and Spring 2023
- Mentored and guided 30 students to write better code and graded 200 programming assignments
- Held weekly office hours and designed 3 assignments highlighting language-free thinking and defensive programming

OTHER EXPERIENCE

Software Engineer

Jun 2023 – Jun 2024

Oak Hill Advisors

New York, NY

Software Development Engineer Intern

May 2022 – Aug 2022

Amazon Inc.

Seattle, WA

Software Application Developer

Aug 2020 – May 2022

Eradani Inc.

Remote

UNIVERSITY ACTIVITIES

President | *Association for Computing Machinery, Case Western Reserve University*

Aug 2021 – May 2023

Director of Design | *The Observer, Case Western Reserve University*

Aug 2022 – May 2023

REFERENCES

References available upon request.