

PRIYA RAMAN

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Undergraduate researcher in computational neuroscience applying to Ph.D. programs.

EDUCATION

May 2027 **Ashford Hall University**, Pittsburgh, PA
B.S. in Neuroscience and Computer Science
GPA: 3.97/4.00; University Honors
Relevant Coursework: Computational Neuroscience, Linear Algebra, Deep Learning, Neural Data Analysis

RESEARCH

Sep 2026 – May 2027 **Center for Neural Computation**, Pittsburgh, PA
Senior Honors Thesis

- Testing whether population geometry predicts behavioural errors in a delayed-match task.

EXPERIENCE

Jan 2024 – Present **Visual Coding Lab, Center for Neural Computation**, Pittsburgh, PA
Undergraduate Researcher

- Built a spike-sorting pipeline that processes 64-channel recordings 5× faster than the lab's previous tool.
- Lead author of a conference abstract on population coding in visual cortex.

Jun 2025 – Aug 2025 **Summer Undergraduate Research Program**, Seattle, WA
Research Fellow

- Modeled working-memory dynamics with recurrent networks; presented at the program symposium.

Aug 2025 – Present **Department of Computer Science**, Pittsburgh, PA
Teaching Assistant, Intro to Machine Learning

- Lead weekly recitations for 40 students and hold office hours.

LEADERSHIP & ACTIVITIES

Sep 2025 – Present **Women in Neuroscience**, Pittsburgh, PA
President

- Organize a speaker series and a high-school outreach day for 120 students.

SKILLS & INTERESTS

Technical: Python (NumPy, PyTorch), MATLAB, Git, LaTeX, electrophysiology analysis
Languages: English, Tamil
Interests: Violin, science communication, hiking