

Zoya Khan

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EDUCATION

Columbia University, Columbia College, New York, NY
Cognitive Science, minors in Computer Science & Anthropology

B.A., Expected May 2027

COMMUNITY & CAMPUS INVOLVEMENT

Computer Science Department, Columbia University Jan 2025 - Present
Workshop Assistant, COMS 1404 (Emerging Scholars Program)

- Introduce students to advanced topics in CS: Natural Language Processing, Computer Vision, Machine Learning
- Facilitate weekly lessons for cohort of 15 students, guide collaborative problem-solving, and work with ESP teaching staff to adapt lessons and assess student performance.

Zuckerman Mind Brain Behavior Institute, Columbia University Nov 2024 - Present
Undergraduate Student Liaison

- Maintain communication between undergraduate student researchers and institutional leadership.
- Plan and implement monthly workshops and socials (40+ attendees), propose professional development strategies

Columbia University Undergraduate Journal of Science, Columbia University July 2024 - Present
Editor, The Scientist

Columbia Neuroscience Society, Columbia University Sep 2024 - Present
Organizing Committee Member

The Columbia Daily Spectator, Columbia University Sep 2023 - Aug 2024
Senior Staff Writer, City News

Multicultural Affairs Advisory Council, Columbia University Sep 2023 - Aug 2024
Students of Color Advisory Board, Student Representative

Museum of Discovery, Little Rock, AR May - Jul 2024
Girls In STEM Program Assistant

- Facilitate mentorship sessions and plan and execute STEM programming for 20 students weekly.
- Organize GiS databases, analyze past participant data, conduct interviews and surveys to assess program efficacy.

RESEARCH EXPERIENCE

Zuckerman Mind Brain Behavior Institute Sep 2024 - Present
Research Assistant

Losonczy Lab, PI: Dr. Attila Losonczy

- Train mice daily on decision-making paradigms within virtual reality (VR) environments, develop various cued and stimulation-centered VR tasks, develop Python-based data pipelines and analysis framework
- Analyze neuronal data from two-photon optogenetic imaging experiments
- Perform stereotaxic injections and cannula implants on mice

New York State Psychiatric Institute/CU Irving Medical College Aug 2024 - May 2025

*Research Assistant,
Bath Lab, PI: Dr. Kevin Bath*

- Project investigating effects of intergenerational early life adversity on maternal care and offspring outcomes.