

Sophia Guzman

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EDUCATION

University of Texas at Austin, College of Natural Sciences, Cockrell School of Engineering Austin, TX
Bachelor of Science, Neuroscience May 2027
Bachelor of Science, Environmental Engineering May 2027

WORK EXPERIENCE & CAREER DEVELOPMENT

Blackshaw Lab at Johns Hopkins Medical School Austin, TX
Foundations in Advance Medical Research Intern June 2024 - Present

- Studies the vertebrate central nervous system and aims to identify the molecular mechanisms that control the generation of major cell types of vertebrate retina and hypothalamus
- Supervised by Dr. Seth Blackshaw

Memory and Aging Duarte Lab UT Austin Austin, TX
Research Assistant June 2024 - Present

- Studies how individual differences in sleep quality, mood, contribute to individual differences in memory and neural mechanisms
- Supervised by Dr. Audrey Duarte
- Conduct EEG and MRI experiments, recruit and contact participants, and assist graduate students with their studies including cognitive data processing

Cockrell School of Engineering Austin, TX
Undergraduate Teaching Assistant August 2024 - Present

- Differential and Integral Calculus under Dr. Uni Treisman and Dr. Erica Winterer
- Assist professors in lecture with questions, prepare and host homework/discussion sessions, and host weekly office hours

Global Medical Training Austin, TX
Member August 2024 - Present

- Pre-health organization that is dedicated to supporting and educating motivated pre-health students in Austin, TX
- Actively participate in medical assessments/treatments of patients, primarily those who have poor access to healthcare by hosting clinics and hospital visits

Society of Women Engineers Austin, TX
Member August 2023 - Present

- Aspires and advances female engineers to achieve their personal and professional goals
- Focuses on the ideas of networking, career development, leadership development, and STEM outreach

LEADERSHIP & VOLUNTEERING EXPERIENCE

Delta Gamma Sorority Austin, TX
Beta Eta Member August 2023 - Present

- Women's organization empowering sisters to act with intention and become an unstoppable force for doing good in every part of life
- Outreach and service includes advocacy and access for those in blind and visually impaired community through the philanthropy Service for Sight and the Texas School for the Blind and Visually Impaired

Praying Pelicans Missions Cypress, TX
Volunteer June 2019 – July 2022

- Served in 3 international mission trips, Honduras (Summer 2019) and Belize (Summer 2021, 2022)
- Served in local churches and communities running food drives, eye clinics, and vacation bible school
- Participated in construction projects for a variety of churches and orphanages

HONORS & AWARDS

- **University of Texas at Austin Dean's Honor List** Fall 2023, Spring 2024, Fall 2024, Spring 2025
- **Hispanic Scholarship Fund** Fall 2023 – Present