

# Zara Thomas

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## EDUCATION

B.S. Chemistry candidate, Stanford University

June 2026

GPA: 3.846

## EXPERIENCE

### **Undergraduate Research Assistant, Khosla Lab**

**Feb 2024 - present**

Investigated LRP-1 mediated TG2 uptake in macrophages and dendritic cells.

Currently developing a cloning and transfection method for LRP-1 binding clusters to study ApoE binding.

### **Co-president, Veritas@Stanford**

**June 2023 - present**

Led planning teams for large speaker events, the most recent having attendance of 350+ students and faculty.

Elevated the profile of Veritas on campus by strategic engagement with other campus organizations and community members.

Met with Stanford faculty to discuss potential speakers and associated topics; recruited faculty who shared a close interest with the selected speakers to support those events.

Contact person with the national organization and Stanford administration, responsible for communicating all aspects related to speaker safety, accommodations and large event details.

Managed budget and funding applications during the 24-25 school year after our financial officer stepped down.

### **Vice President, Christian Union**

**June 2024 – present**

### **Worship Leader**

**June 2023 - June 2024**

Responsible for the planning and execution of all aspects for weekly large group meetings.

Met with and mentored younger students to develop leaders for the next Stanford class.

Led weekly Bible studies for underclassmen women.

Planned and organized welcome events for freshmen.

Led large group worship by planning music, organizing and leading rehearsals with other musicians, and playing piano and singing.

### **EMT, Stanford Emergency Medical Services**

**Oct 2023 - present**

Certified as an Emergency Medical Technician, Santa Clara County (July 2023); trained in American Heart Association basic life support, CPR, and AED (March 2023).

Completed organizational training events that simulated emergency scenarios and response procedures.

### **Undergraduate Peer Advisor, Stanford Chemistry**

**Aug 2023 - present**

Engaged with current and prospective chemistry students; provided a student perspective regarding the degree, class selection, and professors.

Planned departmental social events for undergraduate students once per quarter.

### **Undergraduate Research Assistant, Anderson Lab**

**Jan 2023 – Dec 2023**

Studied effects of common analgesic adjuvants on compound action potential in ex vivo rat sciatic nerves.

Captured and analyzed transmission electron microscopy montages of rat sciatic nerve axons for myelin thickness, axon diameter, g ratio, and abnormal phenotypes.

Manuscript under revision at the *Journal of Neuroscience Research*.

### **Co-chair, Launchpad, Stanford Students in Biodesign**

**June 2023 – June 2024**

Instructed students on the biodesign process and need-finding.

Interviewed physicians specializing in pediatrics; created need statements and vignettes for MED 275B: Biodesign Fundamentals.