

# Sahana Ram

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## Education

### University of Texas at Austin

Austin, TX

Expected Graduation Date: May 2025; GPA: 4.0

Relevant Coursework: BIO 311D; CH 302; BIO 311C; CH 301; CH 204 FRI DIY Diagnostics; CH 320M; SDS 320E; BIO 325

### Los Altos High School

Los Altos, CA

Graduation Date: June 2021

## Research

### DIY Diagnostics

August 2021 -  
May 2022

#### *Freshman Research Initiative*

Austin, TX

- Conduct experiments and analyses for diagnostic tests
- Utilize methods such as water filtration, qPCR, mTEC, NanoDrop, and Qubit to assess and analyze DNA bacterial concentration for future research
- Complete lab write-ups that discuss potential for future research, conduct quantitative and observational data analyses

August 2020 -  
February 2021

### Research Intern at University of California Irvine

Los Altos, CA

- Read and develop articles for the neuroscientific aspect of strokes
- Work with the SEARCH initiative to analyze the public health aspects of COVID-19
- Participated as a high-schooler on an undergraduate team on a practicum and research skills lab for public health and neuroscience

June 2020 -  
January 2021

### Research Intern at University of Illinois at Chicago

Los Altos, CA

#### *Co-author and lead writer on COVID-19 article*

- Co-author a comprehensive literature review on COVID-19
- Research topics including: virus structure and function, natural history, public health interventions, clinical signs and symptoms
- Develop scientific writing skills by reading, analyzing and synthesizing information from hundreds of journals

## Employment

### Trumpet Behavioral Health (Paid)

Palo Alto, CA

June 2021 -  
Present

#### *ABA Therapist and Registered Behavior Technician (RBT)*

- Complete 40-hour training course for ABA Therapy to become an RBT
- Work with autistic clients from varying ranges of the spectrum from ages 7 to 17
- Conduct ABA Therapy with each patient by carrying out programs focused on manding, tacting, and other typical techniques
- Utilize various forms of conditioning and training to yield best results
- Complete session notes to inform the patient's family and track progress through data collection

June 2021 -  
Present

### Stanford Hospital (Unpaid)

Palo Alto, CA

- Shadow Dr. Ramachandran in Thoracic Clinic and Palliative Care
- Interact with patients with terminal illnesses and engage in discussion about their mental wellbeing
- Gained knowledge of medical, psychological, and economic factors of each patient and the impact that COVID-19 has had on patients with terminal illnesses

June 2021 -  
July 2021

### California Pizza Kitchen (Paid)

Palo Alto, CA

#### *Hostess*

- Greeted customers at the door and collaborated with waiters for seating
- Managed waitlist during busy hours
- Interacted with customers for any questions or concerns regarding seating or the coronavirus

June 2019 - August 2019	<b>Palo Alto Veterans Hospital (Unpaid)</b> <ul style="list-style-type: none"> <li>● Shadowed doctor and observed innovative robotic surgeries</li> <li>● Gained knowledge of medical, psychological, and economic factors unique to veterans</li> <li>● Greeted patients and their families at pre-op and post-op appointments</li> </ul>	Palo Alto, CA
June 2017 - August 2019	<b>Mathnasium Tutor (Paid)</b> <ul style="list-style-type: none"> <li>● Taught math nine hours per week to students ages 4 to 15 individually and in groups</li> <li>● Developed and implemented teaching methods tailored to each student</li> <li>● Inspired student interest in math by sharing my passion for the subject and by creating a fun and welcoming learning environment</li> </ul>	Mountain View, CA
<b>Volunteering</b> June 2020 - June 2021	<b>Eco-cate Organization</b> <ul style="list-style-type: none"> <li>● Established a weekly environmental webinar series for elementary and middle school students across 20 schools</li> <li>● Create detailed lesson plans and prepare hands-on activities to supplement each lesson, organize materials for weekly lessons</li> <li>● Raise awareness about the global threats our environment faces to encourage participants to be environmentally conscious</li> </ul>	Los Altos, CA
February 2020 - June 2020	<b>Los Altos Terraces Senior Community</b> <ul style="list-style-type: none"> <li>● Developed an art class for senior residents to attend once per week</li> <li>● Plan weekly themes and incorporate different mediums</li> <li>● Provide companionship and opportunities to build relationships with other elderly patrons</li> </ul>	Los Altos, CA
August 2013 - Present	<b>Tutor</b> <ul style="list-style-type: none"> <li>● Help underprivileged children in my community explore math and science beyond the classroom</li> <li>● Tutor children from ages 8 to 12 on varying subjects</li> </ul>	Los Altos, CA
<b>School Activities</b> August 2022 - Present	<b>Natural Sciences Council</b> <ul style="list-style-type: none"> <li>● Serve as the intermediary between College of Natural Sciences professors and students</li> <li>● Vote on legislative pieces regarding professor sexual misconduct trainings, LGBTQ+ student experience, and others to ensure equity within CNS</li> <li>● Collaborate with the <i>Catalyst</i> committee to: generate pieces regarding professor experience and stories in order to improve professor-student relationships; release pre-professional guides (pre-med, pre-law) for UT students; organize events for CNS students, such as professional workshops, to aid in their journey</li> </ul>	Austin, TX
September 2021 - Present	<b>Reading Aces</b> <ul style="list-style-type: none"> <li>● Attend low-income elementary schools in the Austin area and read to elementary-aged children</li> <li>● Interact with children from a wide variety of backgrounds on a weekly basis</li> </ul>	Austin, TX
August 2019 - June 2021	<b>Chemistry Olympiad Co-President</b> <ul style="list-style-type: none"> <li>● Established first Chemistry Olympiad club at high school with partner</li> <li>● Craft goals for the club and develop a strategic plan for member recruitment</li> <li>● Lead weekly meetings and deliver lectures from lesson plans</li> <li>● Arrange fundraisers for students unable to pay the competition fee</li> </ul>	Los Altos, CA
<b>Additional Information</b>	<ul style="list-style-type: none"> <li>● Fluent in English and Kannada (native speaker), working knowledge of Spanish</li> <li>● Scribe-certified</li> </ul>	

