

Steven Pei

Sophomore Biology @Texas Christian University

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Education

Texas Christian University *Class of 2028* | GPA: 3.87
Memorial Senior High School *Class of 2024* | ACT: 35

Honors and Awards

DECA State Finalist *International Qualifier*
American Red Cross CPR and Pathogens *Expert Certification*
National Merit *Commended/Semifinalist*

February 2023
June 2022
October 2022

Professional Experience

Texas Christian University Physics Department *Undergraduate Researcher* November 2025 - Present

- Researching under Dr. Hana Dobrovolny about the dynamics of oncolytic virus and tumor

University of North Texas Chemistry Department *Undergraduate Researcher* October 2022 - October 2023

- Mentored under Dr. Hao Yan on research about simulating complex lipid membranes under high temperatures and pressures using AMBER for 6-7 hrs/wk
- Parallel Computing in Linux, and Data Analysis using Python
- Motorized microscope using an Openstage Platform

Medical Shadowing Clinic Internship

- JF Southwest Heart Clinic** with Dr. [Jianwei Feng](#) January 5 – 10, 2026
- ... December 15 – 20, 2025
- Great Kids Pediatrics** with Dr. [Karen Zorrilla](#) August 26 – 29, 2025
- Houston Methodist** with Dr. [Yun Li](#) May 26 – 29, 2025
- Agape Dental Care** with Dr. [Dong Yan](#) June 3 - 7, 2024

Sweetwater Pools Inc. *Lifeguard* May 2022 - August 2022 May 2023 - August 2023

- Supervised swimming activities at the aquatics facility and ensured that policies, guidelines, and safety procedures were followed
- Administered first aid in the event of injury, rescued swimmers in distress or danger of drowning, and administered CPR and/or artificial respiration
- Inspected pool facilities, equipment, and water to ensure the safety of the swimmers

Kumon Ltd. *Grader and Tutor* May 2020 - August 2022

- Supported students in enhancing their skills in math
- Assisted the students if ever they made a mistake and observed if the student improved their skills

Extracurriculars

REVIVE Committee Head

January 2023 - May 2023

- Coordinated volunteering opportunities at a local church to help with disabled children
- Interacted with disabled children for 5 hrs/wk

TMS Shadows Committee Head

January 2023 - May 2023

- Coordinated shadowing opportunities for local clinics and hospitals in the Dallas area

Naturally Director of Operations

January 2023 - May 2023

- Raised awareness for environmental issues, such as global warming and species extinction
- Provided students with outdoor activities, such as campouts, picnics, and bike trails

Future Engineers of America Vice-President

May 2020 - May 2022

- Provided talks to students interested in the engineering track
- Coordinated events to raise money for projects, such as robotics

TAMS Business Organization Member

May 2022 - May 2023

- Qualified for national collegiate DECA in business management, solving potential problems within 30 minutes
- Attended important meetings to discuss and prepare for events

Community Service

West Houston Chinese Church Volunteer

May 2021 - August 2024

- Took care of children as young as 6 and taught them weekly bible stories
- Interacted with the children and their parents weekly
- Prepared lesson plans and activities every Sunday

Houston Food Bank Volunteer

- 40 hours: December 20 - 31, 2025
- 16 hours: January 2 - 3, 2026

CSM Homeless Shelter Volunteer

May 2018 - August 2018

- Distributed food, clothes, and water to the needy
- Interacted with the homeless, listening to their stories and sharing my own story
- Packaged goody bags and distributed them around downtown Houston

Church VBS Helper

May 2017 - August 2017

- Spent 30 hours per week managing and setting up activities
- Helped children as young as 6 play at the various attractions