

Work Experience

- **Institute for Computing in Research** *40 hours per week*
Research Intern *July 2024 - August 2024*
 - Deployed a free and open-source R model for the identification of transmission clusters
 - Conducted a comparative analysis of state-by-state transmission clusters for SARS-CoV-2
 - Wrote a paper detailing findings and presented results at TyRex
- **XBioTech** *40 hours per week*
Quality Control Intern *July 2022 - August 2022*
 - Performed testing on upstream titer, osmolality, and pH samples utilizing Octet Red96e, osmometers, and pH meters for quality assurance
- **ACES Academic Enrichment Center** *40 hours per week*
Chess Teacher *July 2023 - August 2023*
 - Reviewed major tournaments, including the 2023 Tata Steel Masters and World Chess Championship, to enhance student understanding of high-level play
 - Tailored individualized puzzles and study materials for each student
- **Austin Great Wall Chinese School** *2 hours per week*
Chess 1 & 2 Group Instructor *December 2022 - present*
 - Developed comprehensive curriculum, teaching materials, and homework assignments for classes of 10
- **BioBQ** *2 hours per week*
Data Analyst Intern *August 2024 - present*
 - Planned the configuration and specifications for a bioreactor microscope camera system
 - Employed YOLO (You Only Look Once) to analyze cell growth in team of 3
- **SEA-PHAGE Austin Community College** *3 hours per week*
Annotator and Programmer *August 2024 - December 2024*
 - Ran plant samples and BLASTed to get species name
 - Annotated the genome of *Teodoridan*,
- **LASA Math Peer Tutor** *1 hour per week*
Algebra-Calculus Tutor *August 2023 - present*
 - Provided peer assistance in solving math problems during lunch hours
- **Mathnasium** *5 hours per week*
Math Instructor *May 2024 - August 2024*
 - Delivered math instruction utilizing the Mathnasium method

Volunteer Experience

- **St. David's Medical Center** *8 hours per week*
Hospital Volunteer *June 2024 - August 2024*
 - Provided assistance to patients in wheelchairs
 - Served as a front desk clerk, managing inquiries and directing visitors within the facility

- **Austin Public Library** 40 hours
Library Volunteer March 2023 - October 2023
 - Organized and shelved books according to the Dewey Decimal System
- **Food Bank Volunteer** 51.5 hours
Central Texas Food Bank January 2022 - present
 - Sorted and inspected food items for quality and safety, ensuring proper distribution
 - Operated pallet jacks to efficiently manage inventory and streamline operations
- **Chinese New Year Volunteer** 25 hours
Austin Chinese American Network December 2022 - present
 - Coordinated volunteer activities within the booth section, optimizing resource allocation
 - Performed piano solos and duets for event attendees
 - Organized various events such as chess and origami
- **Elderly Care Home Performer** 15 hours
N/A April 2023 - present
 - Performed a repertoire of current piano solos and duets to entertain residents

Leadership Experience

- **Chess Club** 2 hours per week
Hospital Varsity Captain and President August 2022 - present
 - Planned and managed tournaments at LASA
 - Led LASA Team to regional victories at city and state
- **Psychology Club** 1 hour per week
Founder October 2023 - February 2024
 - Carried out advertising campaigns through posters and announcements
 - Researched concepts and prepared in-depth presentations for members (Forer Effect, Pollyanna Principle, Person-positivity bias, Benjamin Franklin Effect, etc.)

Outreach

- **Chess Organization** 4 hours per week
Co-founder of Pawns to Prodigies Chess Club May 2023 - present
 - Secured \$1,000 in funding from the Austin Chinese American Network
 - Expanded chess outreach in Austin through a partnership with the Austin Public Library
 - Organized volunteers to facilitate tournaments
 - Maintained an active membership base of about 25

Skills & Awards

- Programming Languages: Python, C++, R, Lua, bash, Java, JavaScript
- Technologies: Vim, Git, SSH, LaTeX, HTML, CSS, Markdown, Onshape
- Lab Techniques: ELISA, cGMP training, Flow Cytometry, Sanger, PCR, Cell Culture
- Natural Languages: English, Chinese, Spanish
- Current Piano Repertoire: Chopin's Ballade 1, Chopin's Ballade 4, Tchaikovsky Piano Concerto 1