

TONY ZHU

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EDUCATION

University of Texas at Austin

Austin, Texas

Health Science Scholars Program in the College of Natural Sciences

August 2023 - May 2027

- Candidate for Bachelor of Science in Honors Biochemistry
- Minor: Statistics and Data Science
- Cumulative GPA: 4.0

Texas Academy of Math and Science

Denton, Texas

Early College Program at the University of North Texas

August 2021 - May 2023

- Completed 78 Hours of College Credit
- GPA: 4.0/4.0

SKILLS

- Python, Matlab, R, Databases (SQL), Machine Learning (SciKit Learn), Java
- Cell Cultures, Synthesis, IR Spectroscopy, Mass Spectrometry

RELEVANT COURSEWORK

- Intro to CS, Elements of Data Science, Linear Algebra, Elements of Statistics, Multivariable Calculus,
- Biochemistry, Organic Chemistry, Genetics, Biology, Mechanics, Electricity & Magnetism

RESEARCH EXPERIENCE

Virostko Lab Undergraduate Research Assistant

Austin, Texas

Department of Diagnostic Medicine, Dell Medical School

September 2023 - Present

- Quantified and located pancreas shrinking in patients with T1D
- Used statistical modeling to correlate shrinkage with T1D stages

Omary Lab Undergraduate Research Assistant

Denton, Texas

Department of Chemistry, University of North Texas

March 2022 - May 2023

- Synthesized zinc metal-organic frameworks for cancer biomarker detection
- Awarded undergraduate research fellowship and summer research scholarship

OTHER EXPERIENCE

Clinical Volunteer

Austin, Texas

C.D. Doyle Clinic

September 2023 - Present

- Charted vitals, collected samples, and filed medical paperwork for patients
- Assisted patients with social services including applying for insurance aide and counseling

Education Outreach Program President

Denton, Texas

University of North Texas Junior Engineering Technical Society

March 2022 - May 2023

- Organized free annual educational summer camps for 80 underserved grade schoolers
- Donated over 200 lesson kits to local libraries impacted by the COVID-19 pandemic