

# Zixin Yi

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## EDUCATION

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**The University of Texas at Austin**, Austin, TX May 2021  
*Bachelor of Science and Arts in Biology*

- GPA 3.95
- Business Foundations Minor, McCombs School of Business (18 hours of coursework)
- Art History Minor, College of Fine Arts (15 hours of coursework)

## MEDICAL EXPERIENCE

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**PULSE Program, Cooper Medical School of Rowan University**, Camden, NJ June 2018 – July 2018

- Attended health professions career seminars and workshops about nutrition, diagnosis, and surgical skills
- Researched on Safe Injection Site and formally presented the research poster to faculty at the symposium

**Burn Surgery Extended Observation Program, Baoan People's Hospital**, Shenzhen, China (48 hours) Summer 2017  
*Surgical Observer*

- Observed 8 burn surgeries of scar treatment and skin flap reconstruction and Scrubbed in 3 times for surgeries to wipe the blood off, to cut the suture of stitches, and to use the bipolar electrocoagulation forceps
- Improved bedside manner and patient interaction skills during the ward rounds, operation and post-operation

## RESEARCH EXPERIENCE

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**Freshman Research Initiative, Aptamer Stream**, Austin, TX January 2020 – Present  
*Research Mentor*

- Make CIAP aptamers, providing them to mass spec bimolecular studies, testing them on SPR equipment to establish binding assay protocol, as well as serving as positive controls for a variety of aptamer research

*Safety Mentor, Green-Lab Project Manager* January 2019 – December 2019

- Served as an example of proper lab behavior and safety practices, provided constructive criticism and feedback to students and Research Educator, and taught techniques if students need help
- Lead small group discussion to help mentees understand protocols and build up individual research projects

*Undergraduate Research Assistant* January 2018 – December 2018

- Performed *in vitro* selection method to identify oligonucleotides aptamer that can bind specifically to Calf-Intestinal Alkaline Phosphate (CIAP) by SELEX method
- Researched about CIAP aptamer's application on establishing ELONA diagnostic assay for gallstones diseases

## WORK EXPERIENCE

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**Undergraduate Teaching Assistant**, UT Austin, TX January 2020 – Present  
*Teaching Assistant in Biostatistics*

- Facilitated lectures and r-studio programming labs to solve problems and to address students' grievances
- Supervised exams and grade submissions, and offered constructive feedback based on student performance

**AUIA, The National Taiwan University of Science and Technology**, Taiwan, China June 2019 – August 2019  
*Teaching Assistant in Introductory Biology and Introductory Chemistry*

- Facilitated lectures, discussions and review sessions to solve problems and to address students' grievances
- Supervised exams and grade submissions, and offered constructive feedback based on student performance

**Sanger Learning Center**, UT Austin, TX September 2019 – Present  
*Sanger Student Advisory Board*

- Collaborate with staff providing feedback to and generating new committees to Sanger Learning Center

*Veteran Tutor* January 2019 – Present

- Offer 10 hours of academic instructions per week to students among 15 different courses

*MCAT Workshop Planning Committee* January 2019 – May 2019

- Introduced pre-med students with helpful tools and practices for MCAT exam preparation

## **VOLUNTEER EXPERIENCE**

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**ASCENSION Seton Medical Center**, Austin, TX

(290 hours) August 2019 – Present

*Clinical Volunteer*

- Navigate patients, answer phone calls from hospital lines, and stock medical supplies 4 hours per week
- Help special hospital events, including mock surgery carnival, medical equipment's relocation, and flu clinic

**Wuhan Donghu Hospital**, Wuhan China

(160 hours) Summer 2018 & Summer 2019

*Clinical Volunteer*

- Responsible for measuring and collecting patients' basic physical information
- Assisted nurses with maintaining patients' medical records and filing medical forms into hospital system

**Volunteer of America, Camden Safe Return**, Camden, NJ

June 2018 – July 2018

*Volunteer Intern*

- Participated in mental illness and sentence abuse counseling sessions provided for the returning individuals from incarceration in the recent three years
- Assisted social workers recording program admission assessments, filing daily report to the headquarter, organizing a systematic library for visiting customers
- Outreached to give introductions about Camden Safe Return to where homeless people aggregated

## **HONORS AND AWARDS**

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- **Biology Scholars Program**, UT Austin, TX
- **CNS Second Year Excellence Award**, UT Austin, TX

August 2017 – May 2019

March 11, 2019

## **ACTIVITIES & LEADERSHIP**

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- **Korean Dance Crew** *Dancer*
- **Kappa Rho Pre-Med Honor Sorority** *Member*

February 2018 – Present

September 2018 – Present