

Joseph D. Kim

EDUCATION

University of Texas at Austin, College of Natural Sciences

Bachelor of Science in Biology Honors

Major: Biology

Class of 2020

Cumulative GPA: 3.976

STEM GPA: 4.0

HONORS AND AWARDS

- **Dean's Scholars Honors:** 1 of 40 students in Class of 2020 in the College of Natural Science *2016 - Present*
- **National Merit Finalist** *2016*
- **Undergraduate Research Fellowship Recipient** *2019 - 2020*
- **Ralph A. Steiner, M.D. Scholarship** *2017 - 2018*
- **Jack Roloson Endowed Presidential Scholarship (Twice Awarded)** *2018 - 2020*
- **National Merit Raytheon Scholarship** *2016 - 2020*

RESEARCH EXPERIENCE

Dr. Steven Vokes' Lab, – University of Texas at Austin

Undergraduate researcher

Jan. 2018 - Present

- Researched Gli3 repressor protein binding regions and their interactions with transcriptional elements in mouse embryos
- Helped develop a high-throughput enhancer activity screening assay via a lentiviral system

College of Natural Science Research Forum – University of Texas at Austin

Presenter

Apr. 12, 2019

- Presented a poster about the high-throughput enhancer assay project to professors and other undergraduates
- Addressed questions regarding the project and the future directions of the research

Dr. Jay Horton's Lab, – UT Southwestern Medical Center at Dallas

Research Intern

Summer of 2015 - 2017

- Investigated magnesium-induced protein aggregation for potential physiological function in regards to regulating acetyl CoA carboxylase activity

- Performed western blot analysis, bacterial cloning, RNA extraction, qPCR, lipid extraction and quantitation, etc.

Functional Genomics in Freshman Research Initiative (FRI) – University of Texas at Austin

Student

Jan. 2017 – Dec. 2017

- Trained in the Functional Genomics Stream in the FRI program to develop laboratory skills
- Studied the humanization of yeast histone genes with human complements to observe phenotypic differences

LEADERSHIP

Global Medical Missions Alliance (GMMA) – University of Texas at Austin

Vice President, Events Coordinator

Aug. 2017 - Present

- Organized medical missions to promote social, spiritual, and physical health in developing countries
- Coordinated local volunteering efforts to serve the homeless community in Austin, Texas

FRI Research Mentor – University of Texas at Austin

Mentor

Jan. 2018 - Present

- Guided a personal group of students on their research projects and hosted a weekly journal club
- Instructed students in basic research techniques and provided assistance on protocols

COMMUNITY SERVICE

Micah 6 Food Pantry – Austin, TX

Volunteer

Aug. 2017 - Present

- Facilitated the organization and distribution of the food pantry for the Austin homeless community
- Managed a baggage valet system for homeless customer belongings

Hospice Care at Dignity Hospice – Plano, TX

Volunteer

Summer 2018

- Provided respite and emotional support to terminal patients
- Entertained and mentally stimulated patients with books and conversation

Summer Medical Mission (GMMA) – Piedras Negras – Coahuila, Mexico

Student Leader

(1 week) Summer 2019

- Helped organize clinic and prepared team for childcare services
- Organized medication and assisted with pharmacy at clinic and home visit

Winter Medical Mission (GMMA) – Zaragoza, Morelos, Allende – Coahuila, Mexico

Student Leader

(1 week) Winter 2019

- Helped manage and set up clinics at three locations
- Mentored students on taking vitals and patient history

Winter Medical Mission (GMMA) – Zaragoza – Coahuila, Mexico

Volunteer

(1 week) Winter 2018

- Took history & physical of patients from the Zaragoza community
- Educated locals of preventative health practices to create a sustainable impact

Alternative Spring Break via Projects Abroad – Mandeville, Jamaica

Volunteer

(1 week) Spring 2017

- Participated in a building project for a primary school
- Smoothed out site foundation to do manual cement mixing and brick setting

Dell Seton Hospital Emergency Department – Austin, TX

Volunteer

Jan. 2019 - Present

- Helped escort patients to rooms and directed patients to nurses and security
- Restocked medical supplies in patient rooms

North Texas Food Bank – Dallas, TX & Seagoville, TX

Volunteer

Summer 2017

- Helped hand out organic produce to promote healthy diets in poor urban districts
- Packaged and sorted meals for delivery

SHADOWING EXPERIENCE

Dallas Medical Center – Dallas TX

(1 week) Summer 2014, (1 week) Winter 2018

- Shadowed Dr. Harold R. Lewis M.D. (Cardiologist)
- Assisted with ECG readings

Main Medical Clinic – Carrollton TX

(1 week) Winter 2018

- Shadowed Dr. Simon Lim M.D. (Family Medicine)

INTERESTS

Sculpting ♦ Piano ♦ Tennis ♦ Fishing ♦ Tae Kwon Do (Black Belt) ♦ Bilingual (Korean & English)