

Jessica Selim

Selimjessica@yahoo.com | (832) 931-4962

ACADEMICS

University of Texas at Austin | GPA: 3.99

- Bachelor of Science in Biology May 2021
- University Honors List Every Semester
- College Scholar Apr. 2019-Apr. 2021
- CNS Second Year Excellence Award Mar. 2019
- Certificate of Appreciation from the Command Team at the U.S. Army May 2019
- Dell Scholar Aug. 2017-2021

HEALTH CARE EXPERIENCE

Kind Clinic Jan. 2020 to Present

Served the underprivileged and marginalized population of Austin. Volunteered to provide safe and free sexual health care such as HIV, STI testing and treatment.

Brookdale Hospice Care Jan. 2020 to Present

Served as a companion for patients in Hospice Care. Understanding patient pain and fear and giving them comfort and support.

Reconstructive Orthopedic Center Shadowing Jun. 2019 to Aug. 2019

Observed Dr. Masson MD, Orthopedic Surgery. Learned about patient interaction, diagnosis and several techniques to hand and wrist surgery.

CHI St. Luke's Health Jun. 2019 to Aug. 2019

Provided help to patients in regard to feeding, cleaning and providing companionship.

Faith Family Health and Weight Management Clinic Shadowing May. 2019 to Jun. 2019

Observed Ms. Adrienne Mynatt NP, Family Medicine Practicing Nurse Practitioner. Ms. Mynatt worked with sensitive patient matters and taught me how to mediate educating patients on proper weight maintenance and hygiene without being dismissive or insulting. Taught me a great deal about the business aspect of running one's own clinic.

EXTRACURRICULARS & COMMUNITY SERVICE

American Medical Student Association Sep. 2019 to Present

Organization that works to provide future medical students with insight into how medicine can be reshaped and restructured to provide the most efficient and accessible healthcare.

Inventor's Program Jan. 2019 to Present

Conducted research in inventing and patenting a new portable blood test for Low titer type O whole blood.

Texas Healthy Habits Jan. 2017 to May 2020

Members go to different elementary schools and educate students on public health. For instance, teaching children how viral particles spread and hygienic techniques to minimize spreading germs.

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Gamma Beta Phi

Jan. 2018 to May 2019

Honors society that recognizes academic excellence and provides students with opportunity to give back to the community via volunteering opportunity.

Freshman Research Initiative

Aug. 2017 – May 2018

Program that provides students an opportunity to be able to dive into scientific research at the start of their college career.

EMPLOYMENT

Sanger Learning Center

May 2019 to Present

Tutor University of Texas at Austin students in Biology, Chemistry, Organic Chemistry, Cell Biology and Genetics.

Arby's

Apr. 2017 to Jun. 2017

Maintained sanitary food conditions for safe food preparation and assembly. Assisted management with inventory control and stock ordering and coordinating schedules.

Kumon Learning Center

Sep. 2015 to Aug. 2017

Evaluate, tutor, and grade worksheets of students having trouble with math and/or reading.

Kentucky Fried Chicken

Feb 2014 to Jul 2014

Maintained high standard of customer service and sanitary working conditions. Mastered several computer services and handled currency/credit transactions.

RESEARCH

Advanced Researcher Inventor's Program

Jan. 2020 – Present

Conducted research in performing serial dilutions via microfluidic device. Writing a manuscript:
Using a Smartphone Camera to Analyze COVID Antibody Agglutinations

Inventor's Program Summer Fellowship

Jun. 2019 – Aug 2019

Used ImageJ software to analyze agglutination assays to discern positive and negative test results for COVID-19 antibody tests. Gained valuable insight into COVID Fusion proteins and viral diagnostic tests.

Functional Genomics Lab

Jan. 2018 – May 2018

Conducted independent research in genetics lab. Transformed H2AFY gene into *S. cerevisiae* via CRISPR method. Conducted phenotypic screenings of mutant genes and performed Gel electrophoresis, PCR's, RNA extractions, and Nanodrop spectrophotometry.