

Qustandi I Fashho

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EDUCATION

The University of Texas at Austin, Austin, TX

Texas Interdisciplinary Scholar

Bachelor of Science and Arts, Biology

Minor, Arabic Language

Graduation: May, 2021

AWARDS/HONORS

University Honors

Maintaining a 3.5 cumulative GPA or higher for multiple semesters

Equivalent to Dean's List at other Universities

3 semesters

Volunteer of the Month

Austin Children Guidance Center

Play Leader

SHADOWING

Jeffery LaMour, DPM, Family Foot Care, Austin, TX

Podiatric Physician and Surgeon, September 2020 – Present

Shadowed many different cases involving diabetic foot/wound care, Plantar Fasciitis, Nail and skin problems, and much more.

Ryan Turley, MD Seton, Round Rock, TX

Vascular Surgeon with specialization on Bariatric and Dialysis patients, Summer 2019

Shadowed and focused on a variety of vascular surgeries with focus on Bariatric, Diabetic, and Dialysis patients

Mazin Foteh, MD, Heart Hospital of Austin, Austin, TX

Vascular Surgeon, Winter Break 2018

Shadowed and focused on a variety of cardiac and vascular surgeries

Jia Wen Jessica Chang, MD Baylor Scott and White, Pflugerville, TX

Emergency Medicine, Spring 2020

Shadowed and focused on injury treatments that required emergency help

EXTRACURRICULAR ACTIVITIES

Delta Epsilon Mu Sigma Chapter

Member, Fall 2017- Present

Co-ed Medical Organization involving many healthcare lectures and talks from medical professionals as well as multiple volunteering activities and community outreach in the Austin area.

Arab Student Association, Austin, TX

Member, Spring 2018- Present

Intramural Soccer, Austin, TX

2017- Present

Palestine Solidarity Committee

2018- Present

Supported the Palestinian right to return and advocacy for the pursuance of statehood in the pursuit to end apartheid and illegal occupation.

RESEARCH

Dr. Christopher Yellman Lab, Genome Engineering Fall 2017- Spring 2018

I studied and then purified the *S. cerevisiae* JAC1 gene then transformed the gene into *E. coli*, grew them, and inoculated it and eventually recovered the purified samples with the cDNA human clone (HSC20) to clone eukaryotic (human) genes in prokaryotes (yeast). I also found the CRISPR target sites in my yeast gene (JAC1) which are sequences involved in the protection of prokaryotes such as yeast from a pathogen such as a virus. Also analyzed how the mutations in the JAC1 gene can lead to human diseases such as Bardet-Biedl syndrome and other homeostatic problems. Presented my findings via poster at the end of the semester.

Dr. Dennis Mishler Lab, Microbe Hackers Spring 2018- Fall 2019

Using a process called quick-change mutagenesis, we mutated the PUC19 plasmid on its antibiotic resistance marker and evaluating how different types of mutations affect the growth after inserting the mutated plasmid into deactivated *E.coli cells* then growing them in different mediums.

LEADERSHIP/VOLUNTEERING EXPERIENCES

Baylor Scott and White, Emergency Department, Pflugerville, TX

Volunteer Fall 2019- Present

Cleaned Rooms, Refilled crash carts Fall as well as helped the ER Physician with some cases.

Austin Children Guidance Center, Austin, TX

Play Leader, Summer 2019- Fall 2020

Created a pleasant structured environment with children as well as interacted with children and observed their social skills to discuss with their therapist after the therapist had a meeting with their parents.

Many of these children suffered from depression and anxiety as well as other mental disorders and may have come from an abusive or low-income family.

Leukemia and Lymphoma Society. Austin, TX

Volunteer, Fall 2017- Present

Helped set up for the light the night walks and talked to many Leukemia survivors and the families of survivors

Kickstart Judge Austin, Pflugerville, Round Rock, Georgetown, TX

Volunteer Judge, 2015- Present

Taekwondo judge for Forms and Sparring Tournaments

Mediterranean Festival Austin TX

Volunteer 2014-Present

St. Elias Orthodox Church

Sold tickets and food at the Cultural Mediterranean festival including southern Europe, North Africa, and the Middle East cuisines and cultures.

WORK

CEZAR Trades, Ramallah, Palestine

I packed drugs and vitamins to be sold and distributed in the Middle East and other parts of the world. I interacted with pharmacists that worked in the same area with me and learned a lot about what certain drugs do as well as vitamins. This experience gave me an insight into certain treatments with specific drugs. The Pharmacist I interacted with helped explain certain side effects of the drugs. It was a very insightful experience in the pharmaceutical side of medicine.

SKILLS/INTERESTS

- Certified Medical Assistant, Certified First-Aid Provider, Basic Life Support
- Native Speaking fluency in Arabic and English
- Beginner-Intermediate proficiency in Reading and Writing Arabic
- Proficient in Microsoft Word, PowerPoint, and Excel
- Intermediate level of coding in Rstudio and Python
- Black Belt - Tae Kwon Do
- State Champion - Sparring