

Abraham Joshua Mathew

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EDUCATION

The University of Texas at Austin

Honors B.S.A., Biology; GPA: 3.70

Graduating May 2020

RESEARCH EXPERIENCE

Dell Medical Center: Musculoskeletal Institute, Austin, TX

September 2018 - May 2020

Research Assistant

- Assisted in implementing studies related to shared decision making, opioid variation, and patient reported outcome measures
- Administered surveys to patients and conducted hip and knee range of motion exams on patients for studies
- Select candidates for studies based on inclusion criteria, exclusion criteria, and electronic medical record (EMR)
- Shadowed orthopedic surgical consultations
- Served as a mentor for new research assistants

Functional Genomics Lab, UT Austin

August 2017 - May 2020

Undergraduate Researcher

- Performed research on mutations in histone genes in humans and their links to cancer.
- Practiced biological lab techniques such as PCR and agarose gel electrophoresis
- Worked with genome editing technology (CRISPR) to introduce yeast histone genes into E. Coli

HONORS AND AWARDS

Health Science Scholars Honors Program, UT Austin

August 2016 - May 2020

- Natural Sciences Honors program for students pursuing a career in health professions
- Wrote Capstone thesis on Shared Decision Making Decision Aids in Pediatrics
- Mentored other students through HSS Ambassador program
- Volunteered through program, serving local community

Humanity First Gold Member, UT Austin

August 2018 - Present

- Awarded for outstanding commitment to community service with the organization (40+ hours of community service in the past year)

SHADOWING EXPERIENCE:

Dr. Chacko Alexander, MD, Conroe, TX:

July 2018

- Observed as Dr. Chacko Alexander practiced cardiology

Dr. Sunitha Alexander, MD, Conroe, TX:

July 2018

- Observed as Dr. Sunitha Alexander practiced Internal Medicine

COMMUNITY SERVICE

Humanity First, UT Austin

January 2018 - Present

Member

- Fed homeless by creating and delivering care packages filled with food, water, blankets, and hygiene products
- Taught science lessons weekly at Joslin Elementary in Austin, Texas

Roe Blaze Track Club, Conroe, TX

May 2016 - Present

Volunteer/ Assistant Coach

- Taught long jump, triple jump, and sprinting technique to residents of underserved areas between the ages of 7-22
- Emphasized techniques like meditation to promote mental health and reduce stress
- Offered academic and career advice to promote collegiate success

LEADERSHIP

Humanity First - UT Austin, Fundraising Director
2020

May 2019 - May

- Set up profit shares and fundraisers
- Managed finances
- Created financial summaries
- Created funding requests and applied for funding
- Planned all other financial aspects of this community service organization

Humanity First Events Committee – UT Austin, *Member*

August 2018 - April 2019

- Develop and evaluate Service and Social Events for the organization
- Help supervise events attended, coordinating members
- Promote events through advertising and social media

Navigators – UT Austin, *Servant-Leader*

August 2017 - May 2020

- Led a weekly bible study
- Mentored other members both academically and spiritually
- Organized events like weekly basketball and video game nights
- Helped lead general body meetings