

Alexander O. Henze
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Education

- Texas A&M University**, College Station, TX Spring 2020
Bachelor of Science in Biomedical Engineering
Engineering Honors
GPA: 3.78
- Lonestar Community College**, Woodlands, TX Fall 2015 – Summer 2017
- Continued education during summer
 - Used to further studies following the completion of all high-level mathematics in high school (Calculus 3 senior year of high school)

Research Experience

- EnMed Summer Undergraduate Research Program**, Houston, TX Summer 2019 - current
Research Assistant
- Study focused on correlating technological triggers to medical staff burnout
 - Led the large data analysis of heart rate variability and communicated results to a team of doctors
 - Presented results at two undergraduate research conferences
 - In the process of writing first author publication
- Biomechanical Environments Laboratory**, College Station, TX Spring 2019
Research Assistant
- Focused on device to market transitions and the business side of biomedical engineering
 - Completed several IRB applications for survey-based studies
 - Developed lab skills in silicon casting

Leadership

- Aggie SUITS** (Men's Organization), College Station, TX Spring 2017 - current
Executive, Head of Goals
- Designed and implemented an innovate system focused on developing member's professionally
 - Interacted with and brought in experienced speakers including CEO's, congressmen and former NFL athletes
 - Led resume workshops for members and personally edited each one
- Camp Lonehollow**, Vanderpool, TX Summer 2018
Counselor
- Voted counselor of the week after demonstrating initiative and leadership qualities
 - Responsible for the management and daily lesson plans for kids of all age ranges
 - Developed the patience and ability to deal with younger age groups

Activities

- CHI St. Joseph Regional Hospital**, Bryan, TX Spring 2017 - Spring 2019
Volunteer
- Dedicated three hours a week, for five semesters to various departments in the hospital
 - Interacted with patients of all backgrounds and learned how to assist functions in multiple hospital departments
- Traditions Hospice**, College Station, TX Spring 2017 - current
Hospice Patient Assistant (>70 hours)
- Trusted and called regularly on by the head of volunteer services
 - Learned how to deal with delicate conversations such as death with patients and family members
- Project Sunshine**, College Station, TX Fall 2018 - current
Member
- Learned to interact with children diagnosed with debilitating disorders
 - Set up and managed events meant to accommodate 40+ children with special needs

Skills

R (programming language), Kubios Heart Rate Analysis, Matlab, Labview, Multisim, Java, Zotero, Office Word and Excel certified