

MADELEINE AUSBURN

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EDUCATION

The University of Texas at Austin	Bachelor of Science and Arts in Biology <i>Minor in Sociology Certificate in Pre-Health Professions</i> Overall GPA: 3.57; ACT: 33 (English: 34 Math: 31; Reading: 36; Science: 32)	May 2021
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EXPERIENCE

U.S. Army Medical Research and Materiel Command – Institute of Surgical Research – Research Intern	Summer 2020
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- Received an invitation and a research grant to return to the Institute of Surgical Research to collaborate with expert clinicians and engineers to develop an algorithm that can achieve early detection of sepsis in a burn population
- Assist in the development of data collection methodology from Drager monitors and the interpretation of expansive waveform data
- Attend weekly department meetings where I learn how to manage a research project, including the evaluation of funding, missing data points, and ethical concerns

U.S. Army Medical Research and Materiel Command – Institute of Surgical Research – Summer Intern	Summer 2019
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- Selected as one of eleven students from a national pool of applicants to prepare and execute a research project that is translational to both the betterment of battlefield health care and civilian care
- Executed research under the mentorship of LTC Millan that aimed to optimize primary tissue closure in craniomaxillofacial traumas seen both on and off of the battlefield
- Presented a literature review in front of a large group of physicians, post-doctorates and interns
- Attained a publication in the Journal of Translational Medicine (2020 issue) and was accepted to present my research at the American Association for Dental Research's Annual Exhibition in March 2020

Dell Children's Hospital – NICU Volunteer	Fall 2019 – Present
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- Collaborate with the Ronald McDonald House in order to ensure that the families of the infants being treated in the neonatal ICU are properly checked in to the hospital
- Manage the Ronald McDonald House's Family Room, a room in which families can rest and seek any other accommodations they may need during their stay at the hospital
- Provide emotional support to relatives of the patients and ensure that they are getting proper care

ACTIVITIES

Down Syndrome Association of Central Texas – Volunteer	Fall 2018-Present
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- Assist in the instruction of various fitness classes for people of all ages with Down Syndrome living in Austin, Texas
- Promote healthy lifestyles to students by providing fun and consistent means of exercise throughout each six to eight-week session
- Develop trusting relationships with students in order to promote an environment that feels welcoming and safe to students

Austin Partners Mentorship Program – School Volunteer	Fall 2019-Spring 2020
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- Conducted weekly visits with a student needing additional attention at Wooldridge Elementary, a disadvantaged elementary school
- Provided emotional support and guidance as my student adjusted to a dramatic change in their life, allowing for the exploration of healthy coping mechanisms and positive thinking

Crisis Text Line – Crisis Counselor	Spring 2020-Present
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- Completed a thirty-hour training program in order to obtain the skills necessary to provide the appropriate aid to those coping with mental illness, abuse, or neglect
- Supported texters through individual chat messages by employing active listening skills, responsible risk assessment and collaborating with texters on a plan of action they can use in order to mitigate their state of crisis

Zeta Tau Alpha Recruitment Team – Recruitment Captain	Fall 2017 – Fall 2018
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- Planned and organized fall sorority recruitment in collaboration with my team for over 1,000 incoming students going through the recruitment process
- Demonstrated responsibility to be one of eleven members selected through application and interview to represent the chapter
- Analyzed logistics and calculated scoring data in Microsoft Excel in order to ensure each participant was accounted for

Awards

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| • Frank Price and Helen Shipman Cunningham Scholarship , Recipient | Fall 2017 |
| • University of Texas at Austin: University Honors , Recipient | Fall 2018, Spring 2019, Fall 2019, Spring 2020 |

Additional Information

Skills: R Studio, LoggerPro, Matlab, MS Word, Excel, PowerPoint

Interests: Running, Piano, Painting, San Antonio Spurs Basketball

Language Fluency: Intermediate in Spanish