

# HANNAH LEBLANC

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## EDUCATION

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<b>The University of Texas at Austin</b>	Bachelor of Science and Arts, Biology Minor: Sociology Certificate: Pre-Health Professions Overall GPA: 3.786	May 2021
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## PROFESSIONAL HISTORY

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<b>From the Heart Therapy Services – Occupational Therapy Technician; Austin, TX</b>	January 2020-Present
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- Assist occupational therapists in patient treatment by preparing patients for their sessions and providing them with a safe gym environment
- File medical records of patients receiving occupational and speech therapy

<b>CMedEd – Assistant to President; Houston, TX</b>	May 2018-August 2018, December 2018-July 2020
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- Communicate with doctors from MD Anderson Cancer Center about the most up-to-date practices and developments for over 140 cancer topics
- Implement changes using WordPress on the CMedEd website
- Execute research and implementation of 5 new topics including Pediatric Oncology and Peripheral Neuropathy

<b>Shadowing Amanda Smith, PA-C and Lindsey Marshall, PA-C- Observer; Katy, TX</b>	Summer 2019
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- Observed physician-patient interactions associated with preventative care, diagnosis and treatment of patients
- Gained experience in the clinical environment and observed collaboration among PAs and supervising physicians

<b>Shadowing Meredith Alford, PA-C- Observer; Kyle, TX</b>	Winter/Spring 2020
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- Observed physician-patient interactions associated with diagnosis and treatment of cardiac conditions

## EDUCATIONAL HISTORY.

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**Computational Biology and Bioinformatics, College of Natural Sciences, The University of Texas at Austin**

January 2021-Present

- Learned how to use R Markdown in order to create data reports and projects
- Explored data visualization, probability distribution functions and data wrangling
- Performed exploratory data analysis, principal component analysis, hypothesis testing, ANOVA functions and regressions
- Explored Python and its uses in data wrangling, EDA and data analysis

**Immunology, College of Natural Sciences, The University of Texas at Austin**

January 2021-Present

- Explored Innate Immunity, involving anatomic barriers, chemical defenses and the complement system as well as Adaptive Immunity involving the generation of BCRs and TCRs as well as VDJ Recombination
- Learned about antigen presentation, T-cell-mediated immunity and B-cell-mediated immunity
- Applied earlier topics to the study of immunodeficiency, autoimmunity, transplantation, infectious diseases and vaccines

**Physiology, College of Natural Sciences, The University of Texas at Austin**

January 2021-Present

- Discussed membrane potentials, action potentials and the exchange of materials within the cell and with the extracellular environment
- Explored the inner workings of the cardiovascular system, involving the determination of measurements for stroke volume, cardiac output, MAP, and heart rate

- Studied the pulmonary system, which involved the analysis of pulse-pressure graphs, the hemoglobin-oxygen dissociation curve and the oxygen-dependency relationship
- Explored the renal system, calculating for filtration, excretion, reabsorption and secretion and considering other equations related to these four main actions of the urinary system

#### **The United States, 1492-1865, College of Liberal Arts, The University of Texas at Austin**

January 2021-Present

- Explore major events, people and ideas in United States history and relate to current events
- Emphasize the importance of recognizing the history of diverse and persistently marginalized cultural groups in United States history

#### **LEADERSHIP EXPERIENCE AND ACTIVITIES**

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**Texas Lonestars** – New Member Committee Member April 2018 - Present

- Participate in social events that foster inclusion of all female students in student organizations at the University of Texas as well as female empowerment and community service events throughout the Austin area

**University Catholic Center (UCC)**- Head of Social Events Committee April 2019-Present

- Participate in community outreach, social events that allow for students to form relationships in the faith community and run meetings in which members of the committee evaluate and plan events

**Texas Children's Hospital Summer College Program**- Volunteer (over 100 hours) May 2019- August 2019

- Entertain patients receiving chemotherapy and blood infusions with crafts, games, puzzles, etc. to ensure their hospital experience is comfortable and as enjoyable as possible
- Help in the PreOp and PACU by flipping beds, attending to patient/parent needs, assisting nurses, and restocking

**Austin State Supported Living Center**- Volunteer January 2018-Present

- Foster supportive friendships with residents with IDD as well as attend church with them each Sunday

#### **HONORS**

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- University Honors Fall 2017 – Fall 2020