

Caitlyn Wilson

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EDUCATION

The University of Texas at Austin, Austin, TX

Spring 2021

Bachelor of Science in Human Biology

Relevant Coursework: Organic Chemistry, Genetics, Biostatistics, Human Biology

UT Cumulative GPA 3.7

SKILLS

- **Laboratory:** Polyacrylamide Gel Electrophoresis, chromatography (paper, thin layer), mutagenesis, cell fractionation, light microscope, centrifuges, incubators, precision balance, volumetric glassware, communicate findings (using models, charts and graphs), polymerase chain reaction (PCR), Replica plating, growth of competent cells
- **Technical:** Microsoft Office, Presentation software (PowerPoint, Keynote), RStudio, Spreadsheets (Excel, Google Spreadsheets), Google Docs

RESEARCH EXPERIENCE

The University of Texas at Austin Dell Medical School Spanish Clinic, Austin, TX

May/2020-

Research Assistant

- Administered questionnaires with epileptic patients and their family members
- Facilitated tutorials for research assistants to learn how to use relevant software to access patient information
- Researched the quality of life of the pediatric epilepsy spanish-speaking patients showed intervening factors
- "Permissions" volunteer with the responsibility of contacting authors and requesting to use their screens/scales/questionnaires

The University of Texas at Austin Dell Pediatric Research Institute, Austin, TX

October/2015-June/2017

Intern

- Researched alongside graduate students, running series of Mutagenesis assays
- Analyzed the characteristics of specific genes in relation to gene overexpression
- Generated a controlled frequency of mutations within mammalian cells under certain conditions

LEADERSHIP

Dell Medical School's Health Leadership Apprentice Program (HLA), Austin, TX

October/2018-

Chair of University Outreach

- Work directly alongside Dell Med faculty and staff on a specific community, education, research, and clinical care projects
- Participate in a scheduled leadership workshop and lecture series as well as specific volunteer opportunities in the community
- Leverage collective talent of the members to propose, design and implement a 'house project' aimed at improving health in the local community

PROJECTS

- Creating an interactive pamphlet that can be accessed in healthcare facilities within the Austin community due to complementary and integrative medicine in healthcare being extremely limited to those with means. Focused on providing information to healthcare providers and people with autoimmune diseases.
- Founded the organization **Supporting Minority Students**, focused on mentoring students at neighboring middle schools to prepare them academically for admission into the Liberal Arts and Science Academy High School. Foster inspiration in teachers and motivate students not only within our school but the Austin community to reach their goals and pursue academic and personal excellence. The organization currently has 15 students who were accepted into Liberal Arts and Science Academy High School.

CAMPUS COMMUNITY INVOLVEMENT

YMCA STEM Inspired Summer Camp, Austin, TX

Summer 2018

Summer Camp Counselor

- Managed 10 children in a full-time day camp
- Improved student success in the core subjects, while being exposed to real-world applications

Students Expanding Austin Literacy (SEAL), Austin, TX

December/2018-

Volunteer Coordinator

- Work with small groups of underserved students every week to instill confidence, curiosity, and an appreciation for community service in elementary students
- Conduct research and establish contact with new elementary schools and literacy programs
- Serve as the primary contact and maintain regular contact between SEAL and the CIS/SmartKids coordinators at each elementary school
- Assume other miscellaneous roles as assigned by President and Vice President

American Chemical Society Organization, Tyler, TX

September/2017- June/2018

Member

- Conducted introductory chemical experiments for children at Wise Elementary School's Science Nights
- Volunteered to organize and distribute food to nursing homes
- Involved in scheduling lecture series provided to the university

Homework Helper Club, Austin, TX

September/2013- May/2017

President

- Conducted study sessions with students from middle schools within the Austin community biweekly for two hours each visit
- Scheduled the middle school visits with members of the organization and communicated with the middle school on an ongoing basis to coordinate schedules

Diversity Council of Liberal Arts and Science Academy High School, Austin, TX

May/2013- June/2017

Member

- Improved the lack of ethnic diversity within the school through proactive measures
- Developed multiple pieces of training for teachers and students to promote open-mindedness

HONORS AND AWARDS

- President's Honor Roll Fall 2017
- President's Honor Roll Spring 2018

- University Honors Fall 2018
- University Honors Spring 2020
- University Honors Fall 2020