

Lindsey Doyle

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SUMMARY:

- New graduate (December 2021) with 18 months of field work/laboratory experience and passion for analysis and discovery.
- Resourceful and effective communicator with strong organizational skills and follow through.
- Process oriented problem solver able to quickly learn and leverage technology to implement practical solutions.
- Practical experience in:
 - **Biology:** Bacterial cultivation, Environmental Integrity Index Assessment, DNA Extraction, qPCR, and Gel Electrophoresis
 - **Chemistry:** Solution Preparation and Dilution, Chromatography, Mass Spectrometry, and UV-Vis Spectrometry
 - **Statistical Analysis:** R Studio and Microsoft Excel

EDUCATION

The University of Texas at Austin, Austin, TX
Bachelor of Science in Human Biology, GPA 3.61
Minor in Religious Studies

December 2021

EXPERIENCE

University of Texas, Austin, TX

August 2018 - Present

Dr. Edward Theriot Lab, Undergraduate Research Assistant (September 2020 - Present)

- Measured electron microscope images of diatom samples with Image J for preliminary data collection to build phylogenetic tree of Yellowstone diatom species
- Organized and cleaned collected measurement data for input into project database

Freshman Research Initiative, Urban Ecosystems Stream, Undergraduate Research Assistant (August 2018 - May 2019)

- Developed method to determine non-point sources in urban creeks using a datasonde allowing data to be collected instantaneously compared to previously utilized methods
- Identified sites that showed signs of sewage leakage through sample collection along Waller Creek cross-section that passed through the urban center of Austin as indicated by high conductivity, fecal indicator bacteria, and nutrient levels
- Evaluated water quality by sampling nitrogen and phosphorus levels with Vacu-vials and dissolved oxygen with data logger to create a water quality map of Waller Creek
- Based on work performed as described above, the City of Austin received a letter of findings notifying them of need for remediation along city sewer lines in urban streams

CNS Student Peer Advisor (August 2019 - Present)

- Assisted in clerical work for the College of Natural Sciences
- Maintained a database of 2,500+ incoming freshmen while tracking advising, entrance exams, and degree changes
- Corresponded with students, faculty, and general public to answer questions about university services and general inquiries

Orientation Advisor (May 2019 - August 2019)

- Advised new students on university resources and class scheduling through one on one meetings and group workshops
- Created new programming to introduce students to the importance of social responsibility and diversity
- Performed in weekly social responsibility show

PROJECTS & PRESENTATIONS

- Poster Presentation, “Does the number of followers and one’s time spent on social media have an effect on the time one takes to get ready on a Saturday?,” UT Biostatistics Symposium, Fall 2019
- Poster Presentation, “Urban Ecosystems: Sleuthing Energy Matters in Urban Creeks,” UT Undergraduate Research Forum, Spring 2019
- Poster Presentation, “Pointing Out Non-Point Sources,” Waller Creek Research Symposium, Spring 2019
- Independent Research, “E.Coli Levels in Waller Creek in Relation to Building Proximity,” Fall 2018

LEADERSHIP & COMMUNITY INVOLVEMENT

Student Health Advisory Committee, *Committee Member*, Austin, TX **September 2019 - Present**

- Organized health education events in coordination with University Health Services
- Developed student surveys to assess what resources students want the university to offer
- Volunteered at University Health Services clinics

Texas Pearls, *Recruitment Director*, Austin, TX **January 2019 - Present**

- Developed recruitment presentations and events to advertise to the UT community; organization doubled from 10 to 20 individuals with my direction
- Mentored new members through initiation process with 100% completion rate
- Volunteered with various Austin-based philanthropies and charities for over 50 hours

Nurishment & Narratives with Neighbors, *Social Media Volunteer*, Austin, TX **September 2020 - December 2020**

- Implemented social media campaign to raise awareness for individuals experiencing homelessness
- Collected research about individuals experiencing homelessness for the organization for future projects
- Consulted with experts and individuals related to the homeless epidemic to curate social media spotlights