Lydia McDonald
7501 Creekbluff Drive, Austin, TX 78750
512-924-3879 | lydiamcd@gmail.com

EDUCATION

The University of Texas at Austin, Austin, TX   Expected Graduation: May, 2020
Bachelor of Science in Biology
GPA 3.60

Courses
Biostatistics Class: Utilized R for data analysis.
Computational Biology Class: Learning more advanced R techniques.
Microbiology Lab: Carried out microbiology experiments.

SKILLS

Computer Skills: R Studio, some Java and Python, advanced Excel
Lab Skills: PCR, DNA extraction, protein purification, agarose and polyacrylamide gel electrophoresis, basic microbiology techniques

EXPERIENCE

Biobricks Lab (2 semesters): Purified mutated CDX2 protein with affinity and ion exchange methods and checked for results on SDS-page gels. DNA binding assays then tested if its function as a transcription factor had changed. Selected to present research to another lab.

Biostatistics Project: Analyzed water quality data from the City of Austin to see how turbidity correlated to water depth and year using ANOVA.

ACTIVITIES

Women in Natural Science (WINS) Program
- Victory Tutoring Program at Austin Public Library   10/2016 - 05/2017
  - Tutoring experience in reading and math

Students Making Impact Through Love and Empathy Club (SMILE)
- Volunteered at service projects around Austin   09/2016 - 12/2017

American Society for Microbiology
- Discussing microbiology topics and volunteering at science events   02/2019 - present

JOBS

Jumpstreet Trampoline Park, Cedar Park, TX   06/2015 - 06/2016
Cashier
> Worked checking guests in, explaining the rules and pricing, and handling transactions. Ran the activity stations, and enforced the rules to ensure the safety of the guests.

Salata, Austin, TX   06/2018 – 08/2018
Server
> Served and prepared food for customers along the line in a fast-paced work environment.