Ana Espinosa

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EDUCATION

University of Texas at Austin, Austin, TX   March 2022

Bachelor of Science in Biology   Concentration in Genetics and Genomics; 3.79

Relevant Coursework: Genetics, Cell Biology, General Microbiology, Developmental Biology, Introductory Biology Lab, Introductory Chemistry Lab, Biostatistics, Organic Chemistry, Introduction to Programming

EXPERIENCE

Habitat Scouts Research Project, UT Austin
- Gathered field data from various green spaces in Austin regarding soil quality, tree health, insect diversity, and human impact on the environment.
- Analyzed and reported data on a weekly basis as well as attended group meetings.
- Wrote a final report summarizing my results.
- Learned organizational skills by organizing large sums of data. I had to keep track of many numbers, dates, and descriptions for many of the categories. Keeping an organized journal was essential.
- Developed time management skills by creating a schedule of the amount of work that needed to be done for the project each week, meeting deadlines for data entry, and setting time aside to visit my study sites.

Another broken egg cafe, Mesquite, TX   May 2018- August 2018
Food Runner
- Organized food orders and took them out to their respective tables.
- Cleaned the kitchen and washed dishes every day after closing time.
- Frequently assisted my coworkers with their tasks when they were too busy.

Albertsons, Mesquite, TX   May 2017- August 2017
Cashier
- Checked out and bagged customers' groceries.
- I was responsible for answering any customer questions about deals, coupons, and prices.
- Kept my work area organized and ensured that the aisles were in order.
- Served as a translator in cases where the customer service section needed help with Spanish speakers.

ACTIVITIES & LEADERSHIP

PLUS Facilitator (Peer Lead Undergraduate Study) , UT Austin   February 2020-May 2020
- I was responsible for facilitating communication and collaboration between students in my Biochemistry course.
- I had to be on top of the course material in order to have productive discussions with my classmates.
- Attended weekly meetings with my professor to ensure we were adequately prepared for the PLUS sessions.
- I prepared weekly notes that I could share with others.

Avenue, UT Austin   March 2019-May 2019
- Volunteered at a Middle School once a week in order to help students with their homework during their free period.
- Helped answer math and science related questions.

- Collaborated with other volunteers to find the best ways to explain certain topics

Volunteer Note-taker, UT Austin   Fall 2019
- Took notes that students with disabilities could review for my genetics course.

Volunteer at the Mesquite Animal Shelter, Mesquite TX
- Assisted in walking, feeding, and bathing dogs.
- Cleaned the rooms and kettles in which cats and dogs were kept.

Salvation Army, Dallas TX
- I assisted kitchen workers by helping them prepare breakfast for the visitors.
- Worked at the serving station preparing trays.
- Washed dishes and cleaned my area once breakfast was over.

SKILLS

Technical /Computer Skills: experience with Java, R studio, Python, PowerPoint, Word, Excel
Languages: Spanish- Fluent

PROJECTS

Multivariate Study Of Obesity Rate Variation in 60 Countries, UT Austin   Fall 2019
- Analyzed the relationship between the obesity rates of sixty different countries, their gross domestic product, and meat consumption
- Statistical analysis was done with R studio
- Final project was presented at a biostats poster session

Analysis of Global Data on Internet Usage, Education and Religious Predictions, and Life Satisfaction   Spring 2021
- Developed fundamental knowledge of data wrangling/tidying and exploratory analysis using R studio
- Learned various techniques for data visualization (ex: making bar graphs, density plots, and correlation matrices)
- Introduced to cluster analysis and principle component analysis of data

Analysis of Data on Household Income and Household Arrangements by Race   Spring 2021
- Practiced multiple methods of hypothesis testing such as MANOVA, t-tests, linear regressions
- Learned how to perform bootstrapping and randomization tests
- Introduced to cross-validation techniques for model evaluation

AWARDS

TIP Scholar Award (2018)