**Anne Fu**

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**EDUCATION**

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| **The University of Texas at Austin** | Bachelor of Science, Computational Biology | May 2025 |
|  | Certificates: Elements of Computing Science (CS), Applied Statistical Modeling  Relevant Coursework: Elements of Data Science, Elements of Graphics Visualization, Elements of Software Design |  |
|  | Overall GPA: 3.94 |  |

**EXPERIENCE**

**Dura Software** – *IT Intern;* San Antonio, TX June 2023 - Aug 2023

*Company that specializes in hyper-niche software products that fit narrow but mission-critical use cases for business customers*

* Generated data models from large datasets to analyze cyber security threats and determine security risks within company
* Developed SQL scripts in Domo to facilitate data outputs across multiple visualizations for easier interpretation
* Investigated Salesforce data to evaluate possible underlying issues with equity companies for the purpose of improving revenue

**The Snodderly Lab at UT Austin** – *Undergraduate Research Assistant;* Austin, TX  Sept 2022 - Present

*Research program focusing on the visual ecology and behavior of monkeys in their natural habitat*

* Model data from multiple sources using "ggplot" and "dplyr" packages in R Studio for easier interpretation of activity patterns
* Investigate relationship between activity levels and circadian rhythms of different monkey species using statistical modeling
* Consolidate data from multiple sources to one source, standardizing the excel data files for easier access and use

**First-Year Research Initiative: X-Plants Stream** – *Undergraduate Research Assistant;* Austin, TX Jan 2022 - May 2022

*Research stream in the nation’s largest undergraduate research program that focuses on genomic analyses of P. Hallii grasses*

* Coordinated with other freshmen to collect raw data of *P. Hallii* and analyze effects of different mutations on plant stomata
* Created R script files to model observations into a clean and easy-to-understand visual representation of data
* Explored how different *P. Hallii* mutations affect the stomata phenotype using statistical analytical methods to find significance

**ACADEMIC PROJECTS**

**SDS 322E Classification and Prediction** April 2023

* Constructed a k-nearest-neighbors model in R Studio to classify and predict overall ambulance arrival compliance, cross validating a 90% accuracy with “caret” and “plotROC” packages
* Formulated predictions of grouped ambulance compliance using clusters defined by k-means method
* Utilized dimension reduction analysis methods to extract variables that account of variance of the ambulance data

**SDS 322E Wrangling and Visualization** March 2023

* Wrangled and tidied 12 years of ambulance data from 2 different Austin Government data sources with R Studio “dplyr” package for easier examination
* Summarized significant differences in scheduled ambulance response times between Austin and Travis County through models designed with “ggplot” package from R studio

**LEADERSHIP EXPERIENCE AND ACTIVITIES**

**Delta Epsilon Mu** –*Secretary (Fall 2023 – Present), Communications Manager (Spring 2021 – Present)* Fall 2021 - Present

* Streamlined easier method of communication between members ensure that members have access to all resources in one space
* Organized points and club specific information of around 100 members through Excel for reporting to National chapter

**UT Archery Club** –*Competitive Member* Fall 2021 - Present

**ADDITIONAL INFORMATION**

**Computer Skills:** Python, R Studio, Java in Processing, Microsoft Office

**Certifications:** Domo Data Specialist Certification v2.0

**Languages:** Conversational in Mandarin (Chinese)

**Work Eligibility:** Eligible to work in the U.S. with no restrictions