***TEXAS A&M UNIVERSITY, COLLEGE OF ENGINEERING College Station, TX***

*Bachelor of Science in Computer Science, Junior Status* ***May 2022***

***GPA: 3.95/4.0 Major GPA: 4.0/4.0 Minor: Business******College of Engineering Honors Member***

**WORK EXPERIENCE**

***Computer Science Peer Teacher |*  Computer Science Department at TAMU *Summer 2020***

* Assisted over 100 students with fundamental C++ and data structure & algorithm concepts during labs and office hours
* Helped students to debug their code and improved their abstract thinking and logic for coding
* Developed better debugging skills and improved my structure of code by helping students

***Software Engineer Intern |*  Bray International Inc. *Summer 2020***

* Internship offers accepted. Rescinded due to COVID-19

***Undergraduate Research Intern (Data Analyst) |*  Texas A&M University *Summer 2020***

* Created a new application to detect plagiarism for programming introduction courses
* Worked in Data Group to store data, retrieve data, and analyze data; worked on Data Analytics personally
* Used PostgreSQL as database and utilized Object Relational Mapper (ORM) on python to create a database and tables
* Handled 1 semester’s data of 600 students’ information initially; pulled other semester’s data as we progressed
* Backed up data using shell script and Crontab on a daily basis, and upload the.SQL file to Amazon S3 service
* Worked remotely with a team of 9 students, participated in weekly meetings, and developed my part of the application

***Math Tutor for Calculus II |* Math Department at TAMU *January 2020- current***

* Led the help session for calculus 152 (calculus 2) and provided test reviews for the students at Texas A&M University
* Helped students understand the material better and taught efficient study methods
* Held weekly office hours for students and increased test scores for students who participated in office hours

***Student Technician |* IT Department at TAMU *September 2018- March 2020***

* Managed staff, faculty, and students’ PCs, laptops, and technological issues at the tech backroom
* Helped the staff close the tickets and resolve any problems assigned to me; averaged 45 tasks per week
* Equipped classrooms, meeting rooms with new equipment and set up basic school events and technological support
* Arranged meetings with customers who faced any technical issues with equipment and answered the front desk phone calls
* Worked with an IT data analyst to analyze movie lists with Microsoft Access and simple SQL
* Wrote a formal report concerning the check-in and check-out history each week to the Student Affairs Department

**PERSONAL PROJECTS**

***NBA Game Result Prediction Application***

* Utilized different packages in Python to scrape various data from the NBA’s website including teams’ and players’ stats
* Used PostgreSQL as my database, created and built my table based on the Object Relational Mapper in Python
* Created a chart that included various relations of the NBA’s stats, conferences stats, team stats, and player’s stats
* Used Four Factor Analysis, Fuzzy Logic Algorithms, and other factors to predict the winner between 2 teams
* Planned to build the application using Flutter, a UI made by Google, and compiled application from a single codebase

***Dynamics of Global Scale Social Networks in Disasters Research***

* Designed graphic models using Python and developed applications on social network analysis
* Idealized decision-based models of cascades and used AWS server to collect data and analysis it
* Presented monthly statements to the research team and department and published it to the website to assist PHD Students

***Texas Space Grant Consortium (TSGC)- NASA Design Challenge***

* Led the team to participate in the TSGC Competition and passed the 3rd stage
* Utilize the concept of aerospace, petroleum, mechanical, and chemical engineering etc. in designs
* Created an ideal situation for the *Human Journey to Mars* including water, ideal rocket engines, and other important factors that could affect the journey to Mars

**LEADRSHIP ACTIVITIES**

***Student Government Association Freshman Engineering Representative***

* Communicated between the student body and college engineering, and resolved issues for the students
* Analyzed over 700 student’s response to college engineering’s issue and promoted new advice to the college

***Circle K International (CKI) Officer***

* Held meetings bi-weekly meetings, and sought for over 5 new services, and created the new website for CKI