

Education:

Texas A&M University, College Station, Texas May 2023 Bachelor of Computer Engineering

GPA: 3.455

Objective:

Seeking an entry level position in the field of Computer Engineering

Activities:

AI4ALL Texas A&M University January 2021 – December 2022 *Member*, January 2021 – December 2022

- Conducted research into many different aspects of AI and machine learning
- Developed a solution to a real-life problem that utilizes machine learning
- Participated in workshops and speeches given by industry mentors

Experience:

Programming Teaching Instructor Online June 2021 – August 2021

- Instructed/mentored many classes of students between the ages of 7-18.
- Class content focused on Scratch, Python, or Java depending on the age group and prior experience of the students. Content included learning how to logically think as a programmer, syntax, and projects that used what students learned to create something.
- Built positive relationships with students & parents.

Technical Skills:

Front End | JavaScript, React, HTML, CSS, Bootstrap

Back End | Java, Python, C++, Node.js, Express, PostgreSQL

Deployment | Heroku, IBM Cloud

Developer Tools | Git, npm, Waterfall Methodology, Agile Methodology, JSON

Computer Engineering Applications:

Layne's Restaurant Database Management System

Java | Java Swing | PostgreSQL

Layne's restaurant DBMS to house order history and inventory data and a corresponding GUI for employees

- Worked with team members to design easy to navigate GUI using Java Swing for restaurant managers/servers
- Leveraged hashmaps to improve application performance and code readability
- Followed Waterfall Methodology to handle new requirements that were introduced weekly
- Implemented ability for CSV file data to be parsed into the database

Pocket Watch Safety App

React | JavaScript | Express | Heroku | JSON

Safety app which included: SOS, emergency services map, crime stats, weather forecast, and informational videos

- Developed server side structure to allow for easy frontend integration
- Utilized caching of information to avoid API quota limits
- Followed Agile Methodology to efficiently break down the complexity of the project
- Worked alongside team members to create frontend skeleton for some components

Morse Code Translator

Python | Raspberry Pi | Circuit Design | SolidWorks

Embedded system that translated morse code noises into latin characters & symbols

- Integrated a variety of IC chips on a breadboard to create a functioning system
- Used software and hardware components to create a complex system that served a purpose to users