

## Education:

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

GPA: 3.455

## 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:

**Resident Advisor** Texas A&M University August 2022 – Present

- Planned, budgeted, and hosted programs/events for residents
- Fostered an inclusive and diverse community
- Enforced dormitory and campus wide rules and policies

**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, & Java.
- 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