

CALEB HERRERA

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EDUCATION

Texas A&M University

Bachelor of Science in Computer Engineering
Minor: Mathematics
Overall GPA: 3.38

SKILLS

- Languages: C++, Python, Java, HTML, CSS, JavaScript, SQL, C, Assembly
- Methodologies: Agile, Object-Oriented Programming, Data Structures, Algorithms, Cryptography
- Platforms: GitHub, Tableau, MS Excel (Pivot Tables, VLOOKUP), Alteryx Designer

EXPERIENCE

Goldman Sachs – Dallas, TX

Jun 2022 – Aug 2022

Tech Risk Engineering Summer Analyst

- Automated daily reporting process, cutting down execution time from over an hour to less than three minutes.
- Developed a Tableau dashboard to dynamically reflect state, and metrics, of programs managed by team.
- Supported team operations by performing several data analysis tasks utilizing SQL, Python, and Alteryx Designer.

RELEVANT COURSEWORK

CSCE 483 Computer Systems Design -

Spring 2023

- Collaborated in a team of four to pitch, design, and prototype a working product over the course of one semester.
- Built an automated spice rack aimed at assisting persons with motor impairments in the kitchen.
- Designed a system utilizing a Raspberry Pi running a Java based user interface, and an Arduino motor controller to manage stepper and servo motors for accurate spice distribution.
- Applied an Agile workflow model to divide greater tasks into deliverable sprints.

CSCE 315 Programming Studio -

Spring 2022

- Completed multiple team projects throughout the semester focused on topics in software development.
- Designed a system for taking customers' orders using Java and a MySQL database in a scenario targeted towards local fast-food restaurants.
- Created a web application hosted using Heroku which utilized APIs to recommend movies to users based on their previous watch history and ratings.

ACTIVITIES

Texas A&M Cybersecurity Club – College Station, TX

Fall 2021

Member

- Engaged in weekly meetings covering topics in network/system defense, web exploitation, cryptography, etc.
- Attended presentations on Cybersecurity career opportunities given by industry speakers from a range of companies.
- Awarded a certificate of completion for the Red Hat Alliance System Administration I course for RHEL.

Texas A&M Howdy Hack – College Station, TX

Fall 2021

Competitor

- Competed in a 24-hour long competition hosted by Texas A&M University in a team of four students.
- Designed a student productivity app focused on time management, convenience, and integration with student portal.
- Developed a prototype using skills learned in competition including Figma and the Tkinter Python module.

LEADERSHIP

Solar Car Challenge – Fort Worth, TX

Summer 2019

Co-Team Leader/Competitor

- Headed a team of 16 high school students to compete in the national Solar Car Challenge at Texas Motor Speedway.
- Oversaw weekly meetings to engage students in testing and modifying the solar powered car for optimal performance.
- Placed 5th in the Advanced Classic Division after completing 234 laps, totaling 351.0 miles driven.