Jingsi Zhou

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Education

Bachelor of Science, Mechanical Engineering

August 2019 – May 2023

- The University of Texas at Austin
- Certificate in Elements of Computing (Minor in Computer Science); Pre-med
- Overall GPA: 3.89/4.00   Major GPA: 3.92/4.00

Work Experience

Embedded Software Development Intern, Amazon Project Kuiper

May 2022 – August 2022

- Designed, developed, and wrote documentation for a solar array firmware testing script.
- Bug fixed solar array firmware code (written in Rust).
- Interacted with mechanical and electrical engineering teams for hardware-related issues and testing.
- Engaged in tri-weekly scrum meetings and biweekly sprint planning.

Projects

StonkR – Full Stack Developer

January 2023 – April 2023

- Collaborated with team to design, develop, and test a website designed to track stocks in a minimalistic way. Website also links companies and industry using SQL.
- Used React.js to create responsive webpages, PostgreSQL for data storage and relationships, Python for backend, and deployed using Google Cloud Platform (GCP)
- Documented internal API that allows external user to gather data from the website using Postman.

UT Racoons – iOS Developer

August 2022 – December 2022

- Designed and developed an iOS Application in XCode using Swift and SwiftUI. Users can create an account, login, and create location-specific posts that document free things around campus. Google Firebase was used to store user data and associated post data.
- Performed tests to validate Swift functions, utilized Swift queues to ensure data is properly manipulated and updated.

Skills

- Proficient in: Python, Flask, MATLAB, HTML, CSS, JavaScript, Agile Methodology, Linux, Git, Jira/Confluence, Swift, Node.js, React, Bootstrap, PostgreSQL, Postman, Google Firebase, Google Cloud Platform (GCP)
- Software: Microsoft Office, SolidWorks, Fusion 360