

Sierra Lovejoy

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EDUCATION

Texas State University

Bachelor of Science in Computer Science

Graduation: Dec 2022

San Marcos, TX

Overall GPA: 3.52 / 4.00 | **Major GPA:** 3.72 / 4.00

Relevant Coursework: Software Engineering, Object-Oriented Programming, Data Structures & Algorithms, Databases, Operating Systems, Statistics, Computer Architecture, Computer Networks

TECHNICAL SKILLS

Languages: Experienced in C++, JavaScript, Python. Familiar with Java.

Other Frameworks & Technologies: React, HTML/CSS, Django, Flask, Linux, Git/GitHub, MongoDB, MySQL, Node.js, AWS, Express, Splunk, ServiceNow, Excel

RELEVANT EXPERIENCE

Software Engineering Internship

Summer 1: May 2021 – Aug 2021

Summer 2 and Fall : May 2022 – Current

Texas Department of Transportation - Full time

Austin, TX

- Leveraged knowledge of JavaScript and Python to help write web interfaces on renovated websites and helped manage and update data from users
- Worked with Apps & Web Services team to establish ADA documentation and perform ADA test cases
- Built new SharePoint web pages and documentation for the Mobility and the Operations Teams
- Lead standup meetings each week and worked on multiple group projects

Print Production Operator Signs/Graphics and DDP

Jan 2019 – April 2020

FedEx- Full time

Austin, TX

- Successfully made and fulfilled ticket orders as well as communicated with various Fedex centers
- Completed orders in an organized and timely fashion with meticulous attention to detail in all projects
- Proficiently used computer programs, editing tools, and equipment related to digital printing

SOFTWARE PROJECTS (Portfolio: <https://sierra25.github.io/>)

DayPlanner

- Created a dynamic user interface where people can plan out the hours in their day
- Visualized the hours of the day via a pie chart and time block schedule board
- Implemented a scheduler builder that has drag and drop functionality

Nearby

- Created a map api to search for all cities located near a city specified by the user
- Implemented project to help people who are moving find all of the options that they have near their desired job location when looking for a new city to live in
- Displayed nearby cities in a list and in a visual map diagram for a range that the user can specify

Garden Weather

- Built a garden weather app that, given the user input of location, tells the user the temperature outside and whether the temperature is within the range that a specific crop can handle.
- Displayed a list of common garden crops and the temperature ranges that they can handle alongside a dynamically rendered green checkmark or red x mark.
- Created dynamic messages telling users whether a certain plant is happy based on the current weather temperature for the user's area