

Sierra Lovejoy

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EDUCATION

Texas State University

Bachelor of Science in Computer Science

Expected Graduation Dec 2022

San Marcos, TX

Overall GPA: 3.51 / 4.00 | **Major GPA:** 3.70 / 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, 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

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

Print Production Operator Signs/Graphics and DDP

Jan 2019 – April 2020

FedEx- Full time

Austin, TX

- Experience making and fulfilling ticket orders as well as communicating with various Fedex centers
- Ability to complete orders in an organized and timely fashion/ Meticulous attention to detail in all projects
- Proficient in all computer programs related to digital printing

SOFTWARE PROJECTS

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 and print 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 "When to Plant" weather app with frost dates and a visual timeline map of when to plant vegetable/fruit seeds
- Displayed time ranges to plant and whether plants are cold or warm weather crops based on user input
- Created dynamic messages telling user whether a certain plant is happy based on the current weather temperature for the user's area