

Shewit Hailu

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Education

Bachelor of Science, Computer Science, The University of North Carolina at Charlotte, Charlotte, NC, 2020-2022

High School Diploma, Mallard Creek High School, Charlotte, NC June 2020

Projects

Web Based Application February-April 2024

- Collaborated with a team of four individuals to develop a comprehensive web-based application using Python, HTML, JavaScript, CSS, Flask, Jinja2, Bootstrap, Tailwind, and PostgreSQL, enhancing professional networking by offering a consolidated job-posting platform and distinctive user profiles.
- Utilized Asynchronous JavaScript (AJAX) and jQuery for dynamic content updates, and implemented user registration, authentication, and session management to enhance user interaction and security
- Leveraged PostgreSQL with Psycopg for robust and scalable database management, ensuring efficient data retrieval and storage
- Programmed a universal resume-application process that streamlines job applications, allowing users to apply for multiple job postings without registering on third-party sites, ensuring a more efficient job search experience

Backend Movie Information Service May-June 2024

- Designed and Developed the backend for a movie information tool database with current information using Python, PostgreSQL, Jinja2, and HTML
- Implemented the backend for a movie information application that allows users to post, view, and interact with movies entries using a PostgreSQL database, Flask, Python, and integration with a psycopg connection pool for efficient database management
- Integrated a psycopg connection pool for database connections, ensuring optimal performance and scalability for handling multiple concurrent requests
- Delivered a robust and scalable backend service that supports a dynamic movie information application, providing users with an efficient and user-friendly platform to manage and interact with movie data

Weather Application October-December 2023

- Developed a dynamic weather application with two other team members to provide real-time weather updates and forecasts for users
- Utilized ReactJS for efficient state management to handle data fetched from the API and update the user interface dynamically
- Implemented OpenWeatherMap API to fetch and display current weather data, including temperature, humidity, wind speed, and weather conditions
- Integrated a fully functional application with an intuitive user interface, providing accurate and timely weather information to enhance user experience

Technical Proficiencies

Programming Languages: Java, Python, HTML, CSS, JavaScript, C, C++, D.O.M, SQL

Frameworks: Fetch API, Bridges API, ReactJS, Flask, Bootstrap, Tailwind, Jinja2

Developer Tools: VS Code, IntelliJ, Eclipse, Android Studio, DataGrip, NetBeans, Postman, MySQL Workbench

Database Management System: PostgreSQL, Psycopg

Control System: Git, GitHub, Terminal

Professional Experience

Accenture | Charlotte, NC May 2021 – July 2021

Solution Architect Intern

- Developed a prototype application with the ability to connect local small food businesses to potential customers, allowing for increased visibility for the given small food businesses
- Facilitated the creation of a feature that allowed small businesses to easily reach local customers, thereby avoiding the need for the businesses to expend extra capital on third-party advertisements
- Synthesized a plan for the application with a multitude of goals, the primary being a 70% consistent app engagement for local Charlotte area customers