

Yonatan Demissie

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<https://yoni871.github.io/portfolio/> | <https://github.com/yoni871?tab=repositories>

EDUCATION

Texas Tech University, Lubbock, Texas

Graduated: May 2024

Bachelor of Science in Computer Science

Minor in Mathematics

EXPERIENCE

BiteSwipe - Senior Capstone Project (<https://github.com/yoominpark72/senior-capstone>)

Spring 2024

- Collaborated in a team to develop BiteSwipe, a mobile application utilizing React Native and Node.js, integrated with Yelp API, allowing users to efficiently search for restaurants based on preferences, swipe through options, and store liked restaurants, with backend functionalities implemented using MongoDB, optimized for iOS devices.
- Utilized JavaScript functions to store liked restaurants in an array and pass them to the respective component for display.
- Implemented functionalities with JavaScript to save swiped-right restaurants and store history of used restaurants in the history component.
- Developed front-end components to display liked restaurants and history using React Native.

Weather App - Personal Project (<https://yoni871.github.io/Weather-APP/>)

Spring 2023

- Developed a web application using JavaScript, HTML, CSS, and the OpenWeatherMap API to provide real-time weather forecasts, including temperature, humidity, and wind speed, for user-specified locations.
- Designed and implemented a responsive user interface using HTML for structure and CSS for styling.
- Utilized CSS to enhance the visual appeal and ensure cross-browser compatibility.
- Integrated the OpenWeatherMap API to fetch and display weather data dynamically based on user input.

Facial Recognition System

Fall 2023

- Collaborated in a team to develop a facial recognition system utilizing deep learning techniques, specifically using TensorFlow in Python.
- Researched and curated a dataset of appropriate images for training and testing the facial recognition model.
- Wrote and implemented a training set using TensorFlow in Python to ensure accurate model training and validation.

Lottery Purchase System, Lubbock, Texas

Fall 2023

- Designed and implemented a lottery purchase system with a frontend developed using HTML, CSS, and JavaScript. The backend was constructed using JavaScript, PHP, and MySQL to manage data and transactions.
- Utilized HTML to structure the web pages and CSS for styling to create an intuitive and visually appealing user interface.
- Employed JavaScript to add interactivity and dynamic features to the frontend, enhancing the user experience.
- Used MySQL to design and manage the database, ensuring efficient storage and retrieval of user and transaction data.

Home Depot, Austin, Texas- *MET (Merchandise Execution Team)*

May 2023 - August 2023

- Ensured accurate product placement based on planograms.
- Successfully completed various weekly team projects.

RELEVANT COURSEWORK

- Data Structures in C, Object Oriented Programming, Design and Analysis of Algorithms, Concepts of Programming Languages, Database Systems, Software Engineering, Operating Systems

INVOLVEMENT

Organizations

- First-generation student – Member.
- Sela Initiative – (nonprofit organization) - First member and Software Engineer
- Church Band - Lead Vocalist, Electric/Acoustic Guitar Player, back up Piano Player, Composer.

SKILLS

- Proficient in various programming languages and data structures including arrays, strings, structs, unions, linked lists, stacks, queues, graphs, trees, binary trees, and heaps. Programming languages: C, Java, Python, basic Prolog, basic Verilog, basic Bash, HTML, CSS, basic JavaScript, and Object-Oriented Programming.
- Strong leadership and organizational skills.
- Bilingual - Fluent in Amharic.

CERTIFICATES

- Intro to Front-End Development – META (<https://www.coursera.org/accomplishments>)
- Intro to Back-End Development – META (<https://www.coursera.org/accomplishments>)
- Programming in Java – META (<https://www.coursera.org/accomplishments>)