

Simon Varadaraj

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EDUCATION

Texas A&M University - Grad. June 2024

Bachelor of Computer Science with Honors | Minor in Business | GPA: 3.83 / 4.00 | Dean's List

Relevant Coursework: Data Structures and Algorithms, Discrete Math, Linear Algebra, Principles of Statistics II, Analysis and Design of Algorithms, Computer Organization

PERSONAL PROJECTS

Portfolio Website - March 2023

Sole Developer and Designer

- Fully responsive React application that shows the skills I have acquired as a software developer through schooling and self-study
- UI designed in Figma, and implemented with the tailwindCSS and threeJS libraries. The front-end also required regular usage of React Hooks such as useEffect, useState, and useRef.
- Allowed full email functionality through the emailJS library, allowing users to submit emails to contact me for job inquiries, questions about development, or simply conversation.

Technologies Applied: tailwindCSS, Javascript, React.JS, Figma, React Router v6, emailJS, threeJS

Tradem. - January 2023

Front-end Developer, UI / UX Designer

- Part of a team of four that developed a web application which allowed college students to trade unwanted items with each other, in order to prevent unnecessary waste around campuses.
- Designed the UI of the application on Figma, and implemented the front-end through the React framework. Collaborated with team members in order to properly integrate with the ideas of the backend developers.
- Out of 150 submitted projects, Tradem was selected as a winner for TAMUhack 2023, one of Texas' largest hackathons.

Technologies Applied: HTML5, CSS3, Javascript, React.JS, Figma, React Router v6

Holocalc - June 2022

Sole Developer

- Developed a python application that tracks a user's finger position and uses a pinching motion to input onto a displayed and functional calculator
- Uses the Google Mediapipe library to track hand movements, and the OpenCV library to display the image of a calculator to the user

Technologies Applied: Python, Git, Anaconda, OpenCV, Google Mediapipe

SKILLS AND INTERESTS

Programming Languages: Python, Javascript, C++, C, Java, Scheme, SQL

Frameworks / Technologies: React.JS, Node.JS, Figma, Microsoft Azure, Microsoft Office, OpenCV, Keras, Numpy, Matplotlib, Pandas, Anaconda, Git, Linux

Certifications: AZ-900 : Azure Fundamentals (Microsoft), React.JS Essentials (Linkedin)

Student Organizations / Leadership: Events and Philanthropy Chair of Act to End Sex Trafficking and Abuse, TAMU UNICEF Webmaster