Yasin Traiba

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Portfolio: yasintraiba.com

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EDUCATION:

- Oregon State University
  B.S. Computer Science — May, 2025
    - Incoming Post-Baccalerette Student
- University of Massachusetts, Amherst
  B.S. in Civil Engineering – 3.5 GPA — May, 2023

WORK EXPERIENCE:

Infrasense Consulting — *Staff Engineer* — 05/2022 – Current

- Developed an interactive map in React JS to display company data on hundreds of past projects. Used Python to sort data from a large Excel file and incorporated this data into each state's pop-up.
- Automated the download of PDFs for new project solicitations from over 15 government websites using Playwright. Created a PDF searching script with a front-end using PySimpleGUI, that updates the user's email with the PDFs that contain specified keywords.
- Optimized and updated WordPress website. Tested and implemented software updates, content updates, and custom changes to CSS. Implemented a caching plugin to drastically increase the speed of the site by serving more of the website as static assets.
- Conducted infrared analysis of roadways and bridges using proprietary image transformation software in order to find deficiencies.

PERSONAL PROJECTS:

Bike Sale - 2023

- Created a full-stack website that operates as a marketplace for bikes using React JS, and Firebase. Stored users and listings in Firebase's Realtime Database, implemented Google's geocoding API with react-leaflet, and built a mobile ready website with a beautiful UI.

Spiritual Chat - 2023

- Built a full-stack chatbot using React/Next.js, Langchain (Typescript), and OpenAI's ChatGPT to answer users' spiritual and religeous questions. I embedded religious scriptures into a vector database to be used as context when answering questions. I fed a custom prompt to the LLM which allows it to roleplay as a spiritual leader. The chat-bot provides conversational responses as well as the sources of its information.

Portfolio Website - 2022

- Created a Portfolio website to display my projects and let the world know a little about myself. Implemented animations for my website using existing React libraries and scripted CSS.

Yasin's Recipe's - 2022

- Built a search engine using React JS, Tailwind CSS, and Edmame's API to generate ingredient lists based on any keyword.

TECHNICAL SKILLS:

- Languages: Javascript, TypeScript, Python
- Web Technologies: React JS, Node JS, Next JS, Firebase, Flask, LangChain, OpenAI, Tailwind CSS, SASS, HTML, CSS
- Other Tools: Git/Github, MS Office