

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-Baccalaureate Student
 - University of Massachusetts, Amherst
B.S. in Civil Engineering – 3.5 GPA May 2023
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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.
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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 religious questions. I embedded religious scriptures into a vector database for context when answering questions. I fed a custom prompt to the LLM, allowing it to roleplay as a spiritual leader. The chatbot provides conversational responses as well as the sources of its information.

Portfolio Website - 2022

- I 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 Recipes - 2022

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