

# Yasin Traiba

Email: [yasintraiba@gmail.com](mailto:yasintraiba@gmail.com)

Cell: (857) 253-1433

Website: [yasintraiba.com](http://yasintraiba.com)

Github: [github.com/ytraiba](https://github.com/ytraiba)

Linkedin: [linkedin.com/in/yasin-traiba-1a103822a/](https://linkedin.com/in/yasin-traiba-1a103822a/)

## TECHNICAL SKILLS:

- Languages: Javascript, Python
- Web Technologies: React JS, Firebase, HTML, CSS, Tailwind CSS
- Other Tools: Excel, Git/Github, ArcGIS

## WORK EXPERIENCE:

### Infrasense Consulting

*Software Engineer*

05/2022 – Current

- Constructed an interactive map in React JS to display Infrasense's data on hundreds of past projects. Used python to organize data from a large Excel file and implemented this data into each state's pop-up.
- Automated the download of PDFs for new project solicitations from over 20 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. Setup up a local version of the company's site to test software updates, content updates, and changes to CSS. Implemented a caching plugin to drastically increase the speed of the site by serving more of the website as static assets. Also created landing pages using custom HTML/CSS/JS
- Conducted infrared analysis of roadways and bridges using proprietary image transformation software in order to find deficiencies.

### PES Associates Inc.

*Engineering Intern*

05/2021 – 12/2021

- Conducted cost analysis with MS Excel and python to determine short-term and long-term deficiencies of various infrastructure.
- Wrote engineering reports, and communicated with subcontracted inspectors across the US.
- Trained a new intern to conduct municipal research and estimation for engineering reports.

## PERSONAL PROJECTS:

- Created a renting marketplace for bikes using React JS, and Firebase. Stored users and listings in Firebase's Realtime Database, implement Google's geocoding API with react-leaflet, and built a mobile ready website with a beautiful UI.
- Built a search engine using React js and Tailwind CSS that uses an Edmame API to generate ingredient lists based on any keyword.
- Built 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.
- Created a static business and a podcast website using React js and Tailwind CSS for a client. Developed the site based on their specifications.

## EDUCATION:

- University of Massachusetts, Amherst – B.S. in College of Engineering 2019-2023
- Grade Point Average: 3.6

## RELEVANT COURSEWORK:

- Matlab Programming, Programming with Python, Ordinary Differential Equations, Probability and Statistics, Multi-Variable Calculus, Structural Analysis, Calculus I & II, Physics I & II.

## VOLUNTEER EXPERIENCE:

- Al-Huda Mosque and Islamic School Chelsea, MA
  - Help with the setup and organization of religious events and fundraising dinners.
- Special Needs Athletic Program (SNAP)
  - SNAP (Special Needs Athletic Program) partners with Hingham High Rowing and as a volunteer, I help special needs members learn how to erg and row.