

Yusuf Elbana

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Senior Computer Science student with three years of experience crafting web applications using React, Next.js, TypeScript/JavaScript, and modern CSS frameworks like Tailwind, with backend development experience in Flask and SQL. Currently expanding skills in deep learning and cloud computing (AWS).

EDUCATION

Rutgers University

Bachelor of Science in Computer Science

Major GPA: 3.8/4.0, Cumulative GPA: 3.5/4.0

New Brunswick, NJ

Sep. 2021 – Present

EXPERIENCE

Freelance Fullstack Web Developer

Sep. 2024 – Present

[Live](#)

- Responsible for building and maintaining a web app for a cookie company. Built with Next.js, Tailwindcss, and Framer Motion
- Built a serverless API to manage user contact submissions, utilizing Nodemailer to route customer inquiries to the company
- Considering integrating a SQLite database to efficiently manage products as the quantity grows beyond a manageable size

PROJECTS

Ataraxia | *Next.js, CSS, Nodemailer, Framer Motion*

Sep. 2023

[Source](#) [Live](#)

- * Developed an animation-rich, responsive example website for a web development agency
- * Built a serverless API endpoint to handle user contact submissions, utilizing Nodemailer to process and send inquiries to the agency via email

Personal Portfolio | *Next.js, Tailwindcss, PostgreSQL, Tanstack, Framer Motion*

Nov. 2024 - Present

[Live](#)

- * Developed and actively changing a minimalist, responsive website to showcase my projects
- * Used PostgreSQL for the blog's data storage, and leveraged Tanstack for revalidation and caching to improve performance and scalability
- * Experimental navigation, with UX being heavily inspired by GNOME/macOS

OdysseyGPT | *Python, Pytorch*

Jan. 2025

[Source](#)

- * Developed a language model using the transformer architecture trained on The Odyssey by Homer
- * Integrated multi-head attention to capture diverse token relationships and improve contextual understanding through multiple attention heads
- * Utilized a lower triangular mask so each token only attends to past tokens

TCP Chat Room | *Rust*

Jan. 2025

[Source](#)

- * Developed a concurrent TCP chat room with a multi-threaded server and client, enabling real-time communication for multiple users
- * Designed a universal sending thread on the server to distribute messages to all connected clients, with each client receiving their own dedicated thread to handle incoming messages
- * Built a client with two threads: one for sending and another for receiving messages, ensuring smooth communication

TECHNICAL SKILLS

Languages: C, Rust(learning), Python, Java, Typescript/Javascript

Web: HTML/CSS, Tailwindcss, React, Next.js, Flask

Databases: SQL, MongoDB(familiar)

Developer Tools & Environments: VS Code, Vim/Neovim, Figma, Git, Debian & Redhat based distributions