Lu Qi

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Personal Portfolio: https://lusportfolio.vercel.app/

EDUCATION

University of Texas at Dallas
Bachelor of Computer Science   Sept 2019 - May 2023

PROJECTS EXPERIENCE

EquiTeach
First place in the Amazon challenge, Second place for the Goldman Sachs challenge, Third place for the State Farm challenge for HACKDFW
https://devpost.com/software/equiteach
Team Leader   Oct 2021

- EquiTeach is a mobile tutoring application facilitating personalized learning experiences in multiple languages and subjects, and a web-based ESG dashboard promoting corporate social responsibility through charitable contributions to education. This innovative platform leverages advanced matching algorithms and educational resources to ensure fairness in educational access

- As the team leader, I led the design and implementation of the user interface using React, creating an intuitive and responsive experience for both the tutoring app and the ESG dashboard. Additionally, I developed a web scrapper to aggregate and analyze online articles for our ESG score system, linking corporate contribution to educational access.

- Utilized React to develop dynamic and responsive user interfaces, significantly enhancing user experience. Python-based web scrapping techniques were employed to gather essential data, enabling sentiment analysis for accurate ESG score calculation. React Native was used to implement profile section for students and tutors on mobile platforms, enabling live video communcation between both sides

Between the Lines Online Book Store
https://btl-books.com/
Team Leader   Sept 2022 - Dec 2022

- Between the Line is an online book store allowing users to explore thousands of provided books with different genres. Users can check the detail of the books and choose to order them if they are available. Administrator can view orders, modify their information and manage the shipping details

- I led the design and execution of a relational database schema for users and orders, establishing robust data connectivity. Spearheaded the development of intuitive MVC routes for streamlined management of user interaction and order process.

- Utilized Angular for frontend development, enhancing UI/UX with detailed display templates. Employed JavaScript for advanced search functionalities and SQL for dynamic data querying, ensuring a fast and responsive user experience.

Personal Blog Site
https://lusblog.vercel.app/
Developer   May 2023 - July 2023

- Personal Blog platform using Next.js, Tailwind CSS, and Framer Motion for a fluid and responsive frontend experience. Implemented a comprehensive backend with Sanity Studio, and integrated OAuth with Firebase for user authentication.

- Utilized Angular for frontend development, enhancing UI/UX with detailed display templates. Employed JavaScript for advanced search functionalities and MongoDB for dynamic data querying, ensuring a fast and responsive user experience.

Personal Note Taking Site
https://lusnote.vercel.app/
Developer   May 2023 - July 2023

- A dynamic note-taking website that allows users to create, edit, and organize their notes efficiently. It features a user-friendly interface with the capability for real-time updates and cloud storage.

- Employed Next.js for enhanced SEO and performance, Convex for backend services including real-time updates, Tailwind CSS for responsive design, and Shadcn-ui for cohesive UI components, achieving a seamless and efficient user experience.

TECHNICAL SKILLS

Languages/Tools/Frameworks/Concepts

- **Languages**: Java, Spring Boot, Python, SQL, JavaScript, HTML/CSS,
- **Frameworks/Cloud**: Azure Cloud, React, Next.js, .NET, Angular, AWS, CI/CD, Sanity Studio
- **Databases**: MySQL, SQL server, MongoDB
- **Tools**: LabVIEW, Microsoft Office, Photoshop, After Effect, Stable Diffusion, DaVinci Resolve

REFERENCES

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