Eric Qiu

eqiu.dev

✉ eqiu@uwaterloo.ca
○ github.com/ericqiu04
in linkedin.com/in/eqiu

Skills

Languages: Python, Typescript, HTML/CSS, JavaScript, C++
Technologies: Flask, React.JS, Next.JS, TailwindCSS, ChakraUI, Bootstrap, React-Native, MySQL, Git, Postman, Redux, Django

Experiences

Mobile App Developer   May 2023 - Aug 2023

Inossem Canada Inc   Markham, ON

- Engineered a mobile application that catalyzed warehouse productivity and management, amplifying operational efficiency and inventory oversight within the software domain with **React-Native** and **Typescript**.
- Architected an application transfer page within the warehouse software, optimizing seamless product transfer requests and inventory movement through an intuitive user interface.
- Fine-tuned client-side components and meticulously optimized app landing page to achieve faster loading times, enhancing user experience and warehouse efficiency.

Full Stack Developer   Aug 2023 - Dec 2023

Tutored It

- Restructured ReactJS + ChakraUI website with **NextJS** and **TailwindCSS** for smoother user experience, faster routing and more responsive design.
- Revamped back-end API for user login and registration and class recommendations for each respective student given their age using **Flask**.
- Engineered **MySQL** database to store user information, class details, and user posts and responses.

Projects

HashIt 🔗 | - *Designed for content creators to have easy access to optimal hashtags for posts*

- Operated in a 2 Man team with content creators' interest in mind for boosting digital presence on Instagram through hash tag system.
- Designed RESTful API with **Django** for smooth communication between client and server.
- Integrated **Redux** and **TailwindCSS** onto **Next.JS** front-end for appealing aesthetic and seamless state management
- Implemented **PostgreSQL** for CRUD operations for user authentication
- Utilized **ResNet50** Neural Work Engine with **Pytorch** for image recognition to give optimal Instagram Hash Tags per post

University Residence Rater 🔗 | - *Allows Users to rate Ontario University Residences*

- Developed a dynamic web application using **Next.JS** and **Python Django**, allowing users to rate and review university residences for a more informed housing decision-making process.
- Designed and implemented RESTful API endpoints for seamless communication between the front-end and back-end, enabling secure user authentication, data retrieval, and storage operations.
- Utilized **TailwindCSS** for responsive and visually appealing UI components, enhancing the application's overall aesthetic.
- Integrated **Firebase** for efficient data management, ensuring real-time updates and robust database functionality.

Coder Search 🔗 | - *Search Bar that projects answers from StackOverflow*

- Used **Python + Beautiful Soup** to scrape StackOverflow.com for best solution to return to users.
- Created a home page with **React.JS and TailwindCSS**. Backend created with **Flask.py**

Education

University of Waterloo   Sept 2022 – Present

Bachelor of Computer Engineering, Honors   Waterloo, ON