

Xiao Lin Guan

Full Stack Developer | Software Engineer

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TECHNICAL SKILLS

Frontend: React.js, Redux, JavaScript, HTML, CSS, Dart, Flutter, Google Maps API

Backend: Node.js, Express, SQL, PostgreSQL, Python, Rails, MongoDB, Firebase

Expertise: Debugging, Deployment

PROJECTS

JMAX, Frontend Developer - React | Node

[Live](#) | [GitHub Repo](#)

A full stack web application that allows users to post requests and other users can make offers to the users to help them.

- Utilized JSON Web Tokens and wrote custom middleware to protect Express endpoints as part of user authentication ensuring secure access.
- By leveraging React's useState Hook and onClick event listeners, users are empowered to create comprehensive requests on the platform, while MongoDB serves as the backend database, facilitating the storage and retrieval of data.
- Utilized websocket.io to implement websockets, enabling real-time communication between users during chat sessions. This ensures immediate message delivery and enhances the collaborative experience.

Yep, Full Stack Developer - React | Node

[Live](#) | [GitHub Repo](#)

A web app clone of yelp that allows users to browse local restaurants, write reviews, and view ratings.

- Integrated Google Maps API into web application to improve users experience with geo locations of the restaurants.
- Utilized AWS S3 buckets to securely store restaurant images, enabling us to efficiently retrieve and display them to users when needed.
- Utilized PSQL and Rails' built-in method to enable users to post reviews for a specific restaurant, while also dynamically recalculating the average ratings.

Hey Wake Up, Frontend Developer - JavaScript

[Live](#) | [GitHub Repo](#)

A browser game built with JavaScript that challenges the users' clicking speed on specific targets within a limited time duration.

- Incorporated setTimeout for an animated countdown timer per level and utilized clearInterval to stop the timer at 0 to enhance time tracking, resulting in increased player engagement and a heightened sense of urgency and challenge in the game.
- Implemented the feature of toggling the background music and button sound effects on or off by integrating HTML5 audio elements with preload enabled to enhance the animation and improve overall player experience.

Hunter Anonymous, Frontend Developer - Flutter | Firebase

[Live](#) | [GitHub Repo](#)

A blog post platform built with flutter that allows Hunter College students and staff to share their voices anonymously.

- Integrated Material Library for an enhanced user interface and connected the application to Firebase hosting for smooth deployment.
- Disabled Firebase user authentication to allow anonymous posting, fostering a secure and open environment for expressing opinions while maintaining user-friendliness.
- Integrated Firestore Database to store blog posts as documents under the "post" collection. This integration empowers users to update the vote count for each post through upvoting and downvoting, fostering increased interaction between users and posts from others.

Potential Flooding of NYC, Frontend Developer - Python

[Live](#) | [GitHub Repo](#)

A dash app that shows the likelihood of NYC experiencing coastal flooding in the future as sea level rises.

- All charts are built with Bootstrap components, and Dash Plotly which give users a unique experience while interacting with them, users can modify and download the visualizations along with the datasets.

EDUCATION

App Academy, *Full Stack Web Development*

May 2023 - Aug 2023

Hunter College CUNY, *Bachelor of Arts in Computer Science*

Sep 2018 - May 2022