Kevin Liu

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Skills React / Redux, JavaScript, TypeScript, HTML, CSS, Ruby on Rails, AWS S3, SQL, MongoDB, Express.js, Node.js, Git, REST

Projects

Kcals | JavaScript, React / Redux, Ruby on Rails, PostgreSQL   **live site** | **github**
Full-stack clone of Slack, providing users with real-time messaging capabilities.
- Implemented custom WebSocket subscriptions, providing continuous instant message functionalities across an indefinite amount of channels, ensuring each new channel has a dedicated connection.
- Improved development efficiency and consistency across the site by producing over 30 reusable React components and leveraging Redux middleware to manage the application state.
- Enhanced usability by implementing a search bar feature, enabling users to quickly find relevant information, resulting in improved navigation and productivity.

TheBox | MongoDB, Express, React / Redux, Node.js   **live site** | **github**
Party game app that connects users in lobbies to chat and play mini-games.
- Served as lead frontend developer on a team of four engineers, spearheading development efforts using React/Redux. Engineered a scalable and modular website that supports easy maintenance and expansion.
- Constructed over 20 RESTful API routes to power key functionalities, including multiplayer lobbies, real-time messaging, and game state management.
- Conducted daily stand-ups to discuss progress, identify potential obstacles, and optimize task distribution, leading to increased efficiency and team cohesion.

Honeydew Valley | HTML, JavaScript, CSS3, Canvas   **live site** | **github**
Single-page interactive farming simulation game built using HTML Canvas and JavaScript.
- Leveraged HTMLs Canvas to create a game environment, enabling responsive graphics and animations.
- Integrated sound effects and background music using JavaScript audio APIs with asynchronous loading techniques to minimize lag and ensure smooth gameplay.
- Developed custom algorithms for movement, crop growth, and fishing, creating engaging gameplay mechanics.

Experience

Sales Associate | *J&J Liquor*   December 2019 - July 2022
- Managed high-volume cash register and POS transactions; processed 300+ daily transactions.
- Leveraged product knowledge and recommendations to assist customers in selecting and purchasing liquor products, contributing to a 20% increase in sales revenue.
- Analyzed sales data to identify top-selling products and adjusted inventory accordingly, achieving a 10% reduction in stockouts and overstocking while maintaining sales revenue.

Web Developer Intern | *IvyPrep*   May 2018 - September 2018
- Designed and launched a school website using HTML, JavaScript, and CSS. Improving the school's online presence and enhancing engagement with the community.
- Monitored attendance, homework, and test grades of 200+ students using Excel, identifying trends and delivering insights to the school board for data-driven decision-making and enhancing student performance.
- Conducted individual and small-group tutoring sessions for students in Mathematics and Physics, resulting in a grade increase of at least one letter grade for 80% of students.

Education

App Academy | November 2022 - March 2023
1000-hour full-stack web development intensive bootcamp with <3% acceptance rate
SUNY University at Buffalo | January 2017 - June 2022
Bachelor of Science, Electrical Engineering