KIMI ZOU

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SKILLS

React, Redux, JavaScript, Node.js, Python, Express, Flask, PostgreSQL, Sequelize, SQLAlchemy, HTML5, CSS3

PROJECTS

Make a Wish (React, Redux, Express, Socket.IO, AWS S3, HTML Drag and Drop API)   **live** | **github**

A fullstack birthday reminder app where users can post a wish list.

- Integrated Socket.IO with Express to enable bidirectional communication between server and client, dramatically improving user experience by facilitating real-time notifications.
- Optimized server performance and enabled scalability of image services by incorporating Multer middleware and AWS S3 with Express to handle files upload and storage.
- Employed Web FileReader object to achieve uploaded images preview which creates an intuitive user experience.
- Leveraged HTML Drag and Drop API to allow users to easily toggle wish status between private and public.

Cheonjae Genius (React, Redux, Python, Flask, Docker, React Player)   **live** | **github**

A fullstack Genius clone where users can search, add and edit lyrics, and add annotations to lyrics.

- Utilized Web Selection and Range objects to access and store startOffset and endOffset locations to PostgreSQL database and reproduce DOM text highlights during rendering.
- Incorporated React Player to provide an enriching user experience by allowing users to play audio and video resources of a song.
- Exploited Flask and WTForms to validate incoming form data and secure users confidential data with CSRF protection.

AnimeCloud (React, Redux, Express, AWS S3, React-Bootstrap/Carousel, wavesurfer.js)   **live** | **github**

A fullstack SoundCloud clone where users can upload and play songs.

- Ensured seamless audio streaming experience during navigation by creating top-level music player utilizing HTML5 audio element and maintaining audio state with React Context and Redux Store.
- Integrated wavesurfer.js with React to display audio waveforms and synced individual track status with top-level music player by building custom event listeners and sharing audio data across components with Redux Store.
- Built UI appealing slideshow landing page by integrating the Carousel component of React-Bootstrap.

ChoreScore (JavaScript, Node.js, Express, Sequelize, Pug)   **live** | **github**

A fullstack Remember the Milk clone where users can manage to-do tasks.

- Adhered to RESTful API best practices to design Express backend routes.
- Maintained DRY codebase by using Pug templates to dynamically render HTML with JavaScript data.
- Reduced AJAX calls by constructing one-to-many relational tables so that we can make one join query for data from multiple tables.

EXPERIENCE

Graphic Designer - *PSFK*   April 2020 - Aug 2020

- Increased the number of subscribers by collaborating with the research team to design weekly market trending analysis debriefs and market research reports of over 50+ pages.
- Cooperated with art director and marketing manager to create marketing materials for a 3-day virtual entrepreneur forum with 25+ participating companies.

Bank Teller - *Citibank*   Aug 2017 - Jun 2018

- Mastered banking operating systems within 2 weeks and provided one-on-one training to 4 new employees, accelerating the onboarding process.
- Upheld strict banking regulations and procedures, ensuring the security of financial transactions and assets.

Cashier - *Shengkee*   Feb 2016 - Jun 2018

- Reduced searching time from 5+ minutes to 10 seconds by improving the storage system of item price tags.
- Interacted and communicated with various types of personalities on a daily basis.

EDUCATION

App Academy - *Web Development | Spring 2021*
Shillington - *Web Design | Spring 2020*
University of California, Berkeley - *Bachelor of Arts in Music | Summer 2017*