Jerry Phan

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Portfolio

SKILLS
Frontend: React, Redux, Javascript, HTML5, CSS3, Sass, Jbuilder, jQuery, AJAX
Backend: Ruby on Rails, Ruby, PostgreSQL, SQL, SQLite3, Node, Express, Mongoose ODM, MongoDB, ActiveRecord
Relevant Technologies: Git, Heroku, AWS S3, Webpack

EDUCATION
App Academy - Immersive software development bootcamp with a focus on full stack web development (2021-2022)
California Polytechnic State University - *BS - Chemistry* (June 2019)

PROJECTS
U2be | (React, Redux, Ruby on Rails, PostgreSQL, AWS S3)   Live Site | Github
Youtube inspired video sharing platform where users can view, upload, and interact with media content
- Integrated Redux with HTML5 media websockets to deliver a custom experience that includes video playback and video previews on hover
- Leveraged Ruby on Rails Active Record and AWS S3 to store media objects and improve scalability of application
- Implemented a search bar to query the PostgreSQL database for relevant results
- Utilized React Router with local storage for optimized application navigation
- Synced data between children modals and parent views, allowing users to see updated state without having to refresh

Looking for Group (LFG) | (React, Redux, MongoDB, Express, Node)   Live Site | Github
Group finding application where users can interact with provided calendar and join social events that match their interests
- Implemented user authentication by using Node and Bcrypt to salt and hash passwords and utilized JWT to manage client-side authentication
- Incorporated the Fullcalendar API to dynamically render and manage user created events
- Collaborated with a team of three engineers via regular standup meetings, pull request reviews, and created multiple branches on Github to minimize merge conflicts
- Operated as the full stack engineer to assist the team with creating React components, setting up the Node backend, and debugging

Song Catchers | (Javascript, HTML5, CSS3)   Live Site | Github
Application where music lovers can retrieve both song and lyric with a quick and simple search
- Successfully developed RESTful APIs that interacted with the client and server to showcase searched songs and their accompanying lyrics
- Integrated the Spotify API to fetch song data and enriched those results using the Lyrics OVH API to add song lyrics
- Assembled a table component that contains sortable columns and action buttons (delete and view) within the table row

EXPERIENCE
Associate Scientist
Genentech - PPD, February 2020 - October 2021
- Supported early stage development projects in small molecule pharmaceutical sciences on a team of eight scientists
- Outlined and carried out crystallization experiments of small molecule development drug candidates
- Quickly adopted various analytical techniques and instruments to successfully meet industry level testing standards
- Spearheaded discussions at meetings and maintained cross functional relationships across various Small Molecule Pharmaceutics departments to streamline project development

Undergraduate Research Assistant
California Polytechnic State University, June 2018 - June 2019
- Analyzed chemical and physical properties of organic and marine aerosol particles
- Presented research findings at multiple state wide conferences, outlining varying environmental impacts across California
- Collected, analyzed and reported on a long-term data set based on seasonal variations of ambient aerosol particles
- Mentored new members with laboratory safety protocols, reaction setups, and efficient workflow