

# Kevin Le

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## Skills

React, Redux, JavaScript, Node, Ruby on Rails, Python, PostgreSQL, Mongoose, MongoDB, Heroku, MATLAB, HTML, CSS

## Projects

**NFT Explorer** | Javascript, Moralis, Webpack, HTML, CSS

[live site](#) | [github](#)

*Full NFT collections curated and ranked by rarity using mathematical wizardry - built with Vanilla JavaScript*

- Implemented the Moralis API to query NFT data from the Ethereum blockchain, and built a custom script that assigns rarity scores for each NFT based on a custom formula that I have created
- Utilized the built-in Moralis cloud database to store over 100,000 NFT image links, metadata, rarity scores and ranks, to keep the site running lightweight and highly scalable
- Designed an infinite scroll feature that queries for the next set of NFTs based on the data of the last NFT rendered on the page, allowing for a smoother user experience

**Stack Overclone** | React, Redux, Javascript, Ruby on Rails, PostgreSQL, Heroku, HTML, CSS

[live site](#) | [github](#)

*Full stack clone of the popular Q&A site for programmers Stack Overflow - built with React/Redux and Rails*

- Designed a fully functional website in 2 weeks that allows users to post and answer questions, upvote or downvote questions / answers, and search for questions, all on a single page React app
- Optimized the Redux state to only contain the right amount of data needed for React components, leaving no excess data queried and stored on the frontend, to improve scalability and quick page-load
- Leveraged a polymorphic association between votes and questions/answers, to reduce PostgreSQL database tables by 20%, and heavily DRYing up backend code for the Rails model and controller

**DevFocus** | React.js, Redux.js, Javascript, Mongoose, MongoDB, Express, NodeJS, HTML, CSS

[live site](#) | [github](#)

*A MERN stack application for developers to organize their job search: track job apps, network, data structures & algorithms*

- Managed the development process for a full stack app with 3 engineers in a time span of 1 week
- Utilized the react-table library to create responsive tables for improved organization and user experience
- Directed the creative direction of website design and styling, resulting in a cohesive site look and feel

## Experience

**Patent Examiner, Electrical Engineering** | 2021 - 2022

United States Patent and Trademark Office

- Examined software inventions to determine if they qualify for exclusive patent rights in the following fields: Artificial Intelligence, Autonomous Vehicles, Robotics, Aerospace
- Negotiated with attorneys representing the client to ensure the invention is novel enough for exclusive patent rights
- Explored through 120+ patents per week in various technology fields, and assessed the overall novelty of the invention based on what has already been invented in the field

**Design Engineer, Team Lead** | 2020 - 2021

Insight Global

- Directed a team of 5 engineers to investigate PG&E's Geographic Information System for electric transmission lines, and report data inconsistency errors between the software and 3-D engineering models in a dynamic Excel book
- Surpassed the 6-month production target in 4 months, resulting in over 2 times the number of errors corrected.

## Education

**App Academy** | San Francisco, CA | Full-Stack Web Development Bootcamp | 2022

**University of California, Davis** | BS in Aerospace Engineering, Minor in Philosophy | 2019