EDWARD KIM

Software Engineer

(516) 850-9251   esunwookim@gmail.com   New York/NY   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS

React, Redux, Ruby, Ruby on Rails, JavaScript, Node.js, HTML5, CSS3, PostgreSQL, jQuery, Python, Git

EDUCATION

Software Engineering Immersive Program - *App Academy* | *Fall 2019*
BS Mechanical Engineering - *Cornell University* | *2012 - 2016*

PROJECTS

NOTDISCORD   (Ruby on Rails, React, Redux, JavaScript, HTML5, CSS3, PostgreSQL)   live | github
NotDiscord is a single page messaging app, inspired by Discord, which allows users to direct message friends and chat in server channel chat rooms.
- Used Rails' Action Cable and Redis to manage web-socket connections for direct messaging, live-chat, and displaying online status in real-time.
- Leveraged switch cases with modals to dynamically display multi-step forms for CRUD actions, ensuring DRY and scalable code.
- Built custom API's to filter and alter data in the backend before implementing Rails RESTful routes to eliminate the need for additional queries.
- Incorporated normalized state shape for join table models, using their associations in Jbuilder, to simplify data fetching and reduce nesting when displaying indexes.

CLASH ROYALE DATA VISUALIZATION   (Node.js, Clash Royale API, D3)   live | github
Data visualization of Clash Royale's top players, displaying their locations and in-game statistics.
- Developed custom proxy in the backend using Node.js to fetch Clash Royale API data, ensuring smooth latency without undermining security.
- Utilized D3 timer functions to persist state of globe model in real time, improving user experience by allowing clients to halt/restart its rotation.
- Formed pie charts to display parsed JSON player data taking advantage of D3 path features to enable button toggling between different data sets, allowing for user interaction and organization.

EXPERIENCE

Inquiry Engineer
The Okonite Company   Jan 2019 - July 2019
- Created 100's of designs for high/medium voltage cables according to customer specifications.
- Coordinated with a specialized team bimonthly to improve company's workflow structure which resulted in increased efficiency of the cable design process.
- Organized databases to increase efficiency of UI on older programs which shortened fetch times.

Mechanical/Project Engineer
Primacy Engineering Inc.   Dec 2016 - Jan 2019
- Built CAD models of enclosures for naval power systems in accordance to NEMA standards.
- Collaborated with specialists to brainstorm engineering solutions to client needs.
- Managed company inventory offsite and devised a system of organization to improve lookup time.