

EDWARD KIM

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

React, Redux, Ruby, Ruby on Rails, JavaScript, HTML, CSS, SQL, Python

PROJECTS

NOTDISCORD (Ruby on Rails, React, Redux, JavaScript, HTML, CSS)

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

NotDiscord is a single page messaging app, inspired by the popular Discord app, which allows users to direct message friends, chat on channels and join servers that pique their interest.

- Used Rails' Action Cable and Redis to manage web-socket connections for direct messaging, online indication, and live-chat features.
- Leveraged switch cases with modals to dynamically display multi-step forms for creating servers and channels, ensuring DRY and scalable code.
- Implemented event listeners such as hover effects to display icons/dropdowns used in server/channel CRUD actions to keep app layout simple, clean, and responsive.
- Incorporated normalized state shape for server memberships/friendships using associations to simplify data fetching and reduce nesting when creating lists.

CLASH ROYALE DATA VISUALIZATION (Clash Royale API, D3)

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

Data visualization of Clash Royale's top players which displays their locations and in-game statistics.

- Developed backend using Node.js to fetch Clash Royale API player data based on user input with D3 globe visualization, ensuring accurate, up-to-date information.
- 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 during times of congestion.
- Taught new hires how to use company's custom programs for various types of cable.

Mechanical/Project Engineer

Primacy Engineering Inc.

Dec 2016 - Jan 2019

- Built CAD models of enclosures for naval power systems in accordance to the National Electrical Manufacturers Association (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.

EDUCATION

Web Development - App Academy | Fall 2019

BS Mechanical Engineering - Cornell University | 2012 - 2016