

NICHOLE PATRISSE 'NIC' KRUGER

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SKILLS React, Redux, Ruby, Rails, JavaScript, HTML, CSS, SQL, MongoDB, Express, Node

PROJECTS

AvailableSurface (Ruby, Rails, React, Redux) [live](#) | [github](#)

An OpenTable inspired app that allows users to search restaurants and create reservations.

- Built modular React components using webpack to streamline development and DRY up the code
- Leveraged Rails ActiveRecord features to optimize queries and return search results with a minimum number of API calls, lowering wait time on load and streamlining user experience
- Utilized Redux store to track complicated application state, ensuring consistent user experience and optimizing for possible state changes in future development

Binding of JSaac (MongoDB, Express, React, Node, Git) [live](#) | [github](#)

A browser-based rogue-like game where teams battle their way through a dungeon.

- Developed interface function using Javascript to eagerly load data from MongoDB and parse subdocuments to flatten Redux state
- Designed MongoDB document and subdocument schemas to efficiently create procedural dungeon generation for varied, unique game-play each session
- Built Express server with a minimum number of secure, RESTful endpoints to fetch and return application data from MongoDB, reducing necessary number of API calls

Marvel Character Web (JavaScript, d3.js, jQuery/Ajax) [live](#) | [github](#)

A data-visualization of Marvel comics illustrating complex associations between characters and comics.

- Implemented AJAX calls to an outside API to return data for search and data visualizations to leverage Marvel's extensive database, allowing for more dynamic visualizations
- Created a force graph using the d3 library to visualize a dynamic complex web of relationships and attached corresponding labels to each node to enhance user experience
- Created quick and responsive user interaction on core search functionality via DOM manipulation, plain JavaScript, and pixel-perfect CSS producing real time search results

EXPERIENCE

Admin/Marketing Assistant

Jack White Real Estate

Nov 2018 - Oct 2019

- Doubled production of marketing products within six months by increasing efficiency of project tracking
- Collaborated with team to coordinate an annual gala for 150+ guests including catering, decor, and music

Customer Service Representative

Tote Maritime Alaska

Mar 2016 - Aug 2018

- Spearheaded an initiative to digitize records and reduce paper waste by completing logs digitally
- Supported over twenty stores in integrating a new tracking app into their daily processes

Lead Teacher

Congregation Beth Shalom Joy Greisen Jewish Education Center

May 2009 - Dec 2013

- Managed daily schedules for groups of 4-20 students while accommodating each child's unique needs
- Trained new staff on best practices including emergency response, documentation, and interpersonal skills

EDUCATION

BA Journalism and Public Communications - University of Alaska Anchorage | Dec 2015

Web Development - App Academy | Apr 2020 | Immersive 16-week program to improve engineering skills