DUSTIN AUJERO

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SKILLS

Languages: Ruby, Java, JavaScript
Frameworks: Ruby on Rails, Redux
Libraries: jQuery, React.js, Three.js
Other: SQL, Git, RSpec, WebPack, HTML5, CSS3, WebSockets

PROJECTS

Dispatch   Live Site | Github
Discord clone using PostgreSQL, Ruby on Rails, React.js, Redux, ActionCable/WebSockets

- Implemented WebSockets with ActionCable to establish an open server connection, which enabled real-time information transfer without making traditional HTTP requests.
  - Created custom methods to load chat messages or display an active typing status.
- Engineered a dynamic search bar that displays results based on the current searching query
  - Used to directly message other users, or be directed to the desired server/channel
- Designed a single-page application that utilized React.js components to dynamically change the webpage without refreshing or redirecting to a different webpage.
  - Components could render or update in response to url path information.
- Incorporated AJAX requests for server-client communication, asynchronously making server requests and updating front-end information accordingly.
- Observed the Redux framework to store user/server/channel data, which maintained an organized and normalized front-end state.

Block Runner   Live Site | Github
3D endless runner game using Three.js, Firebase

- Created a 3-dimensional, dynamic environment with the Three.js library.
- Engineered realistic player-movement physics based on vectors applied by user input.
- Utilized Three.Raycaster in conjunction with a self-made algorithm for a robust collision detection system.
- Integrated Firebase database to store important player information between sessions.

EXPERIENCE

IT Networking Contractor
JANDA Technology, 2018-2019

- Designed networking system infrastructures that applied efficient, business-wide networking cable configurations.
- Consulted and collaborated with clients for custom interfaces, resulting in maximum client satisfaction
- Lead/Managed small project teams and coordinated project operations on-site.
- Mentored new team members in project workflow and field practices.

EDUCATION

- **App Academy** (Spring 2019)
  - Immersive software development course with focus on full stack web development
  - Stack: PostgreSQL database, Ruby on Rails backend, React.js and Redux frontend

- **Bergen County Academies** (2013-2017)
  - Electives: Intro to C, Intro to Java, Intermediate Java
  - Classes: AP Computer Science (Java)