Dolly Shin

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Skills
JavaScript, React.js, Redux.js, Ruby, Rails, PostgreSQL, HTML5, CSS3, Git, Express, Node.js, MongoDB, Three.js

Projects

Samasana (JavaScript, React, Redux, Ruby, Rails, HTML, CSS, PostgreSQL)   Live Site | Github
Task and project management tool (full stack clone of Asana)
- Utilized react-beautiful-dnd library to allow fluid drag-and-drop action of tasks and project kanban board columns
- Built custom routes and controllers in rails to persist updated task order in batches after a drag-and-drop event
- Implemented logic in JavaScript to automatically parse tasks by date and allow users to view tasks in due-date groupings
- Optimized and reduced component re-rendering rate by implementing Redux actions in a way that disparate parts of the state are updated in one trigger
- Utilized Hooks to simplify state management and lifecycle method use for React components

NeuroDB (JavaScript, Express, Node.js, React, Redux, D3.js, HTML5, CSS, MongoDB)   Live Site | Github
Database tool to help neurobiology researchers manage patient meta data and research related information
- Increase efficiency for neuroscience research lab by replacing spreadsheet operations with a user-friendly database application that allows them to store and search patient data
- Implemented sorting and search logic to enable displaying relevant patient record with research ID, research-specific criteria, and patient demographics
- Created a simple and uncluttered UI design using React components, CSS3 and HTML5 to helps users perform their repetitive workflow efficiently
- Incorporated D3.js library to build a database dashboard where users see dynamically rendered database statistics

Sheep (JavaScript, Three.js, HTML5, CSS)   Live Site | Github
3D game designed for users to take a short mental break from the day to roam around a green meadow as a sheep
- Created a 3D scenery and various interactive objects using Three.js library and Vectary 3D modeling tool
- Implemented collision detection raycaster to simulate movement obstruction and items consumption
- Incorporated trigonometric calculation to allow smooth navigation of the sheep, taking into account the sheep's position and angle relative to the center of the plane and its own angle of rotation

Experience

Accenture LLP

Technology/Management Consultant *(industry: media & telecom, state government)*   Feb 2014 - May 2019
- Led an agile team as a product lead, delivering 150+ user stories for telecom client's enterprise billing software; responsibilities included feature/backlog prioritization and business stakeholder relations management
- Integrated client's WiFi hotspot web application with Groupon and Blackhawk, delivering gift card activation and promotions management functionalities that increased sales by 20%
- Led a team of four analysts to implement 10 process improvement and change initiatives to help client successfully transition largely-paper based workforce to using the new case management software
- Created a communications strategy and issue tracking process for a state government, increasing state-wide visibility of system issues and workaround from just a handful of counties to all 50 counties onboarded with the new system

Education

App Academy   Jun 2019 - Oct 2019
Immersive software development course with focus on full stack web development.

Columbia University
B.S. in Earth & Environmental Engineering   Sep 2007 - May 2011
M.S. in Earth Resources Engineering   Aug 2012 - Oct 2013