Hassan Toor

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PROJECTS

Quicknote | JavaScript, React, Redux, Ruby on Rails, PostgreSQL   LIVE | GITHUB

Full stack single page note taking app with notebook/tagging organizational capabilities.

- Implemented a rich text editor, while providing users an efficient autosave mechanism through state comparison
- Utilized Rails associations on the backend to allow for a seamless note filtering solution on the frontend
- Restructured backend to minimize redundant queries to the database, allowing for a smoother user experience
- Engineered custom React components to provide a DRY codebase with maximum flexibility

Cellular | JavaScript, HTML5, CSS3   LIVE | GITHUB

Interactive JavaScript game using Canvas elements in which players must eat smaller cells to grow and avoid larger cells

- Implemented Object Oriented Design principles
- Utilized Canvas elements to allow for user interaction
- Constructed a collision detection system that allows smaller cells to be consumed

kingDOM | JavaScript   DEMO | GITHUB

Lightweight library that simplifies DOM manipulation, event handling, and AJAX requests

- Utilized native JavaScript DOM API in order to manage library's core DOM functionality

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SKILLS

JavaScript | React | Redux | Rails | jQuery | SQL | Python | Ruby | HTML | CSS | Heroku | TDD | Git

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EXPERIENCE

Texas Instruments - *Applications Engineer Intern*   JUNE 2014 - AUG 2014

- Developed evaluation module lab testing methods and utilized acquired data to produce a 28 page User Guide to be distributed among customers to solve common questions
- Repurposed design of particular PMIC to allow for low-cost overheat detection functionality. Created app note to provide ease-of-use and setup for customers

Texas Instruments - *Validation Engineer Intern*   MAY 2013 - AUG 2013

- Coordinated lab automation setup for IC testing using LABVIEW/TestStand which allowed for a 75% team-wide increase in validation testing efficiency

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EDUCATION

App Academy - New York, NY   OCT 2016 - JAN 2017

- Intensive 1000+ hour full-stack programming school with < 3% acceptance rate

Rose-Hulman Institute of Technology - Terre Haute, IN - *Electrical Engineering*   2010-2014

- Relevant Coursework: Object Oriented Programming, Linear Algebra, Discrete Math