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Runtao Yang

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Projects



Runtaobl [live] [repo] — *Full-stack blogging app made with React.js, Redux & Ruby on Rails*

- Implemented infinite scroll dashboard and user show pages using jQuery storing all posts in the Redux store to smooth user experience and facilitate viewing of further posts
- Used Amazon S3 services to store image, audio, and video content for variety in content
- User show pages are publicly viewable and encourages non-account holders to sign up



My 3D Life [live] [repo] — *3D implementation of Conway's Game of Life using JS & Three.js*

- Voxel painter utilized raycasting and allows a user to create unique initial patterns
- Trackball mouse movements allow control of camera view to see complex 3D structures
- Preset famous initial patterns such as Gosper glider gun and Garden of Eden

<div>

DOMarama [repo] — *HTML DOM manipulation with plain JavaScript*

- Users can create and manipulate DOM elements and send simple AJAX requests. AJAX requests return chainable promises for full XMLHttpRequest functionality
- Strings are appended to elements as Text elements to cover nested elements
- .on() and .off() are available as shortcut event listener alternatives

Work Experience



Research Assistant in Neuroscience. NYU School of Medicine.

April 2014 to June 2016

- Increased surgery and behavioral test efficiency on rodent models by 20%
- Coauthored and produced figures on two publication submissions
- Managed laboratory supplies on operating grants, including wet laboratory materials and electrophysiological and optogenetic hardware, totaling \$2M

Education



- App Academy. New York, NY.
October 2016 to January 2017
Full-stack web development course with
< 3% acceptance.
- Columbia University. New York, NY.
August 2011 to May 2015
Bachelor of Arts in Biology with
concentration in Premed. 3.60 Cumulative.

Skills



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|--------------|------------|-------------|
| • Ruby | JavaScript | Photoshop |
| • Rails | React.js | Illustrator |
| • RSpec | Redux | InDesign |
| • HTML5 CSS3 | jQuery | 中文 |
| • SQL | AWS | Git |