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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*

- Implements infinite scroll dashboard using the react-infinite library to reduce whole page re-renders and increase user engagement
- Uses 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 utilizes 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.

From 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 GPA.

Skills



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