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Runtao Yang

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LinkedIn | GitHub | Portfolio

Projects

Runtaoblr [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** [live] [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 Present
- 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
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