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# Runtao Yang

LinkedIn | GitHub | Portfolio

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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 blog pages have aliased routes that allow users to easily visit with just a username



### **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 to facilitate pattern making

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

- Users can create and manipulate DOM elements and send simple AJAX requests that 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. Department of Anesthesiology.  
*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         |