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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 and band-end pagination for faster and smoother presentation
- Used AWS services to host media content for scalability and to reduce server load
- Optimized data fetching by eager loading authors with posts
- Aliased blog page URLs for clearer user interface



**My 3D Life** [[live](#)] [[repo](#)] – 3D version of Conway's Game of Life using JavaScript & Three.js

- Utilized raycasting to allow users to interact with 3D space & create unique initial patterns
- Optimized graphics rendering of blocks by merging all geometries before rendering
- Created preset famous initial patterns to facilitate creating initial patterns

<div>

**DOMarama** [[live](#)] [[repo](#)] – HTML DOM manipulation library with plain JavaScript

- Created methods for manipulating and traversing DOM elements
- Executed AJAX requests that return promises using XMLHttpRequest Web API
- Implemented short hand event listener methods .on() and .off()

## Work Experience



**JumpStart Teaching Assistant.** App Academy.

*February 2017 to Present*

- Presented lectures on programming concepts including data structures and enumerables
- Instructed students individually to discover areas of weakness and to help them improve



**Research Assistant in Neuroscience.** NYU School of Medicine.

*April 2014 to June 2016*

- Coauthored and produced figures on three publications
- Increased surgery and behavioral test efficiency on rodent models by 20%
- Managed laboratory supplies and finances on grants totalling \$2 million

## Education



**App Academy.** New York, NY.

*October 2016 to January 2017*

1000+ hour 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	<a href="#">中文</a>
• SQL	AWS	Git