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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
• Implemented infinte-scroll and back-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

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()
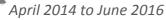
Work Experience

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	中文
SQL	AWS	Git