



## Projects

### **RuYi [Rails, React, Redux, JavaScript, PostgreSQL]**

[Live | GitHub](#)

*A Kickstarter-inspired single-page crowdfunding application*

- ❖ Built multi-tab forms with a preview page that resembles the actual view by integrating multiple React components and React-Quill
- ❖ Implemented fuzzy search to account for misspellings or variances in words, while still ordering results to best match user input. Also added gin-indexes in the database in order to optimize and scale search queries.

### **Ballernoi [JavaScript, D3]**

[Live | GitHub](#)

*An interactive visualization of basketball defensive formations*

- ❖ Leveraged D3 library to calculate Voronoi diagram based on position of players, and rendered it using HTML5 canvas element.
- ❖ Imported NBA player tracking data to a csv, which was then loaded into a menu so that users can edit diagram using attributes from real players.

### **DOManipulation [JavaScript]**

[Live | GitHub](#)

*A library with multiple functions to manipulate DOM elements*

- ❖ Defined a global function that queues functions to be invoked after the DOM is loaded
- ❖ Makes AJAX requests that include default values if not specified and returns a promise

## Skills

Ruby	JavaScript	React	jQuery	HTML5	git
Ruby on Rails	Node.js	Redux	SQL	CSS3	RSpec

Languages: Mandarin and Cantonese Chinese (conversational)

## Work History

### **Test Preparation Instructor**

**2010 - 2017**

*Freelance*

New York, NY

- ❖ Instruct high school and middle school students to improve standardized test scores

### **Volleyball Coach**

**2015 - 2017**

*Manhattan Youth, John Jay College, Hunter College High School*

New York, NY

- ❖ Helped John Jay College reach first CUNYAC Semifinals in school history
- ❖ Won PSAL City Championships in 2014 at Hunter College High School

### **Educator**

**2015 - 2016**

*Young Eisner Scholars*

New York, NY

- ❖ Led sessions with 70+ talented students in District 5 schools that contained over 50% students with reduced or free lunch
- ❖ Solely developed a 14-page comprehensive curriculum for middle school scholars

## Education

### **App Academy**

**2018**

*Web Development*

New York, NY

- ❖ Rigorous software development course with <3% acceptance rate
- ❖ Emphasis algorithms, TDD, pair-programming, and efficient design

### **Hunter College**

**2008 - 2012**

*Economics - Bachelor of Arts*

New York, NY

- ❖ Men's Division III Volleyball Team; Final Four Appearance in 2012