

Dongjin Xu

[Github](#) [LinkedIn](#)

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SKILLS

Python, Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3

PROJECTS

TheRule

[Live Site](#) | [Github](#)

An Single-Page App using Ruby on Rails, React-Redux, Postgresql, JavaScript to share Do-It-Yourself projects with others inspired by Instructables

- Used Paperclip gem to upload images and videos to AWS S3 cloud storage bucket
- Implemented searching to query database by matching the user input in the backend controller
- Customized multiple table querying to minimize data retrieval inefficiency and optimized user experience with scalable searching, creating and updating
- Protected website from malicious using by implementing user authentication token in backend as well as frontend
- Wrote DRY, reusable React components for creating and editing projects and comments

Hop-hop

[Live Site](#) | [Github](#)

A JavaScript jumping game using canvas inspired by Doodle Jump

- Used Canvas to achieve self-animation rendering by listening to the key pressing event
- Manipulated JavaScript and physical gravity calculation to generate natural falling, intentional jumping and smoothly moving left or right

FreeDOM

[Live Site](#) | [Github](#)

A JavaScript DOM Manipulation Library

- Hold DOM nodes and offer convenient methods for traversal and manipulation, like empty, remove, attr, addClass, removeClass, html, find, children, and parent
- Select DOM Elements by HTML tag, id, or class
- Handle events with callbacks using on and off methods and make AJAX requests

EXPERIENCE

Education Technology Fellow

Curriculum Associates

Jun 2017 - Dec 2017

- Assist in the redesign of an assessment software feature by communicating with engineers, designers, and project managers to increase teacher engagement and reduce frictions associated with account transfer
- Onboard new and existing data into the assessment software for over 200 accounts by manipulating Excel formulas and automated provisioning, troubleshoot errors by analyzing data to ensure successful set-up of each account

Private Equity Analyst

Beacon Tree Capital

Jan 2017 - Present

- Examined Project Copper, an on-going acquisition case with a plumbing company, investigated business model's tangible factors through data analysis and comparative research, projected revenue increase by 30% over 5 years
- Initiated Project Copper's customer survey that identified pricing and timelines as factors in complaints, optimized business strategy, including dispatch process, branding, and business line expansion
- Evaluated 1,000+ private companies and sourced 1% potential acquisition opportunities by analyzing industry data against Beacon Tree's investment criteria

EDUCATION

App Academy (Spring 2018)

- Immersive software development course with focus on full stack web development
- Rigorous program that accepts < 3% of all applicants

Boston College (Spring 2017)

BA – Philosophy & Political Science