



Jack Zhu

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PROJECTS

Prooster (Ruby on Rails, React.js/Redux, Postgresql)

[Live](#) | [GitHub](#)

A community based product hosting web application, inspired by [Product Hunt](#)

- Utilized Rails backend to serve RESTful API, authenticate requests and validate database input
- Incorporated Cloudinary, Amazon S3, Dropzone.js and React-Slick for smooth image hosting
- Implemented universal search bar using PostgreSearch to exhibit products based on user query

PourOverJS (MongoDB, Express.js, React.js, Node.js)

[Live](#) | [GitHub](#)

A JavaScript profiler and code editor developed using the Scrum methodology (Agile framework)

- Calculated performance metrics for submitted code by modifying the transformed abstract syntax tree
- Developed stackframes visualization to synchronously step through the program execution
- Utilized Mongo model validations to implement user authentication and code snippets storage

Man Down (JavaScript, Canvas)

[Live](#) | [GitHub](#)

A challenging and interactive Javascript browser game, inspired by Doodle Jump

- Created collision effects and randomized block generator using HTML Canvas and CSS
- Applied hash map and linked list in image structures for smooth action rendering at 60 fps

SKILLS

- Programming Languages: JavaScript, C, Python, Ruby, jQuery, Ruby, SQL, HTML, CSS3, MATLAB, Assembly, VHDL
- Software/Framework: Ruby on Rails, React.js, Redux, Node.js/Express, Angular.js, Git, MongoDB, Postgresql,, jQuery, RSpec, Jest
- Languages: Fluent in Mandarin

EXPERIENCE

Talentmatch.ai

Oct. 2017 – Present

Software Engineer Intern

- Enhanced Talentmatch.ai query response by migrating web stack from Wordpress/MySQL to Ruby on Rails, React and Postgresql, created smooth UI by leveraging Redux's unidirectional data flow to cache key data and optimize load times
- Support project and curriculum repos, contribute to internal tools development to enhance communication and productivity
- Interviewed potential candidates for top coding programs, metricized behavioral/technical performances for admission report

Hantoo LLC, Hangzhou, China - San Francisco, CA

July 2015 – May 2017

Regional Project Manager

- Negotiated multi-year contracts with 5 of the 20 inspected top-quality tools manufacturers in China
- Calibrated SEO keywords, ad campaigns and managed logistics, daily operations, resulting in over half a million RMB in sales within the first 9 months on Taobao and Tmall
- Managed team of 4 to generate market entry and re-branding strategy for the North American DIY tools market

Danaher Corporation, Shanghai, China

June 2012 – Aug. 2012

Logistic Coordinator/Interpreter

- Coordinated warehouse movement project involving over 20 million dollars worth of tools products
- Conducted Kaizen events and Kemba Walks that improved overall warehouse turnaround process by more than 6%

EDUCATION

Coursera & Udemy

2015 - Present

Courses: Algorithms Part I, Python data structures, Using Python to Access Web Data, Startup Engineering, MongoDB

University of British Columbia, Vancouver, BC, Canada

Sept. 2010 – May 2015

Bachelor of Science in Electrical Engineering; Minor in Commerce

Associations: IEEE, e club(entrepreneurship club), CSSA