Xiaoyuan Zhu

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SKILLS

Language: JavaScript, Python, C, Ruby, SQL, HTML, CSS, R, Assembly, VHDL

Software/Framework: Ruby on Rails, React.js, Node.js, Angular, Git, MongoDB, Webpack, Postgresql, Express.js, jQuery, Matlab, AWS

PROJECTS

Prooster (Rails, React/Redux, Postgresql)   Live | Github

A community based product hosting web application, inspired by Product Hunt   *July, 2017*

- 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/Redux, Node.js)   Live | Github

A browser based JavaScript profiler and code editor built on top of Esprima   *Aug, 2017*

- 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
- Lead a team of four utilizing Scrum sprints for rapid prototyping(Agile methodology)

Man Down (Javascript, HTML5, CSS3)   Live | Github

A c*hallenging and interactive Javascript browser game, inspired by Doodle Jump*   *July, 2017*

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

WORK EXPERIENCE

Hantoo LLC   Hangzhou, China

Regional (NA) Project Manager   *June, 2015 - Aug, 2017*

- Managed team of 4 to generate market and branding strategy for the North American market
- Established working relationships with 5 out of 20 inspected manufacturers within 4 months of launch

Danaher Corporation(SATA)   Shanghai, China

Logistic Coordinator/Interpretor   *June, 2012 - Aug, 2012*

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

EDUCATION

University of British Columbia   Vancouver, BC, Canada

B.S. in Electrical Engineering   *Sept 2010- May 2015*

App Academy   San Francisco, CA

Software Development Course   *May 2017 - Aug 2017*