

# Xiaoyuan Zhu

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## SKILLS

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

Software/Framework: Ruby on Rails, React.js, Node.js, Git, MongoDB, Postgresql, Express.js, jQuery, Sass, Matlab, Solidworks, Matlab, AWS, Microsoft Excel, Magic, PCB, ASIC, FPGA

## PROJECTS

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### Prooster

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

*Responsive single page application built using Ruby on Rails, React/Redux and Postgresql* July, 2017

- Utilized Cloudinary, Amazon S3, Dropzone.js and React-Slick for smooth image hosting
- Designed display grid in React for individual product presentation with tags, upvotes and comments
- Implemented universal search bar using PostgreSearch to display products based on user input

### PourOverJS

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

*Full stack application built on MongoDB, Express.js, React/Redux and Node.js* Aug, 2017

- Calculated performance metrics for submitted code by modifying the transformed abstract syntax tree
- Developed stackframes visualization to 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

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

*Challenging and interactive Javascript browser game* July, 2017

- Created collision effects and block generator using vanilla Javascript, HTML Canvas and CSS
- Applied hash maps and linked list for frictionless control and smooth rendering at 60 fps

## WORK EXPERIENCE

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### Danaher Corporation(SATA)

Shanghai, China

*Logistic Coordinator*

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%

### Hantoo LLC

San Francisco, CA

*Project Manager*

June, 2016 - 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 manufactures within 4 months of launch

## EDUCATION

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### 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