Lingjie Zhang

Software Engineer

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GitHub: https://github.com/XGuGu   Personal Site: lingjzhang.site

Skills

Programming: Ruby, Rails, JavaScript, React.js, JQuery, HTML/CSS, SQL, Java, C/C++, Git
Algorithm foundation: Data Structure, Algorithm, Convex Optimization, Linear System

Projects

Pindup (Ruby on Rails, React.js)   GitHub | Live

Single-page web app to discover information by using image Inspired by Pinterest

- Stores uploads on Amazon Web Service S3, saving reference as an attachment in PostgreSQL database.
- Using modals for user interface to enhance user experience.
- Utilize image grid CSS styling to replicate Pinterest feed page.

JS-Algorithms (JavaScript)   GitHub | Live

A browser that can find some algorithms visualization

- The percolation problem is simulated with weighted quick union algorithm.
- Implement the 8 puzzle game and extend its dimension to 4x4 and 5x5.
- Using BFS and A* algorithm to solve the 8 puzzle problems.

Active Journal (Ruby)   GitHub

A custom mapping library developed in Ruby, inspired by Active Record

- The library uses object-oriented programming and meta-programming to abstract SQL queries which allows the developer have a more intuitive database access.
- Features for SQLObject, Searchable and Associatable.

Education

App Academy, New York   July 2018 – September 2018
- Extremely intensive full-stack development training with <3% accept rate.
- Emphasizes pair programming, TDD and deep understanding studying.

Stony Brook University, Stony Brook   September 2016 – June 2018
- Master of Science in Electrical Engineering
- GPA: 3.6/4.0

University of Shanghai for Science and Technology   September 2012 – June 2016
- Bachelor of Science in Electrical Engineering
- GPA: 81/100

Work Experience

Huawei Research Institute, Shanghai   October 2015 – March 2016
- Intern in communication department.
- LTE simulation platform of network system by C++.

Dupont China, Shanghai   July 2014 – September 2014
- Intern in finance department.