

Li Zhang

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PROJECTS

Acebook - Rails, React, Redux - Full-stack social networking app

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

- Developed combination of ActiveRecord and SQL queries to prefetch data in order to improve user experience and reduce server load
- Synchronized jQuery events with AJAX to create infinite scroll, removing user friction to view additional posts and reducing bounce rate
- Integrated app with AWS S3 to deliver page resources from ideal servers, improving rendering time and eliminating image download/upload stress on servers

Picasso - D3.js, jQuery - Art generation in HTML5 Canvas

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

- Implemented data visualization library to generate tessellations using two distinct shading algorithms, allows the user to experience $O(n)$ vs $O(n^2)$ computations in real time

docGhost - JavaScript - Lightweight DOM manipulation library

[Github](#)

- Developed library to manipulate HTML DOM elements and send AJAX requests

SKILLS

Ruby	Ruby on Rails	JavaScript	React	jQuery	HTML
RSpec	SQL	Git	Flux / Redux	Python	CSS

EDUCATION

Web Development - App Academy (2016)

- 1000+ hour web development course with < 3% acceptance rate
- Topics include test-driven development, OOP, REST, algorithms, and design patterns

Bachelor of Science in Petroleum Engineering - The University of Texas at Austin (2012)

- Final GPA: 3.5 / 4.0; Curriculum highlights: Matlab, Statistics, Differential Equations

EXPERIENCE

Reservoir Engineer - Devon Energy Corporation (May 2012 - Apr 2016)

- Led team of 20 technical professionals to develop 40,000 acre asset, doubling revenue and tripling inventory reported to the SEC over a two-year period
- Organized two successful acquisition and joint venture discussions which delivered ROR exceeding company spending threshold by 10%