Zheng Qian

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PORTFOLIO: zhengqian.us   **GITHUB:** github.com/qz0222   **LINKEDIN:** linkedin.com/in/zheng-qian/

SKILLS

Front-end: Rails, React.js (react-router, react-redux), JavaScript (ES5, ES6, webpack, EaselJS), Git, Flux, AJAX/JSON, HTML5 (Canvas, SVG), CSS3 (Sass), jQuery
Programming: Ruby, SQL, Linux
Design: Adobe Photoshop, Adobe Illustrator, Adobe Indesign, Digital Modeling and Rendering

PROJECTS

CloudBnC - *Rails, React.js, Flux, PostgresSQL, JavaScript, jQuery, CSS*   **Live | GitHub**

Full-stack Airbnb-clone single page application for hospitality and travel accommodations.
- Ensured secure front-end and back-end user authentication using BCrypt gem(Ruby).
- Eager loaded data from database by using #include function to avoid N+1 queries.
- Reduced repetitively fetching data from server by caching non-critical ones on the front-end.
- Created responsive airbnb-style google map for property listing using Ajax, PostgreSQL, Google Places API and React-dates, enabling users to input multiple filters like geoposition, date range, party size and price.
- Optimized page load performance by automatically adjusting uploaded images resolution stored on Cloudinary via Paperclip gem(Ruby), which enhanced user experience to quickly access data with high scalability.
- Improved user experience with a responsive web design for both browser and mobile devices by utilizing CSS Flexbox and Media Queries.

DogeJump - *JavaScript, HTML5, Canvas, CSS*   **Live | GitHub**
Browser game application inspired by Doodle Jump.
- Created physics engine with axis-aligned bounding box collision detection and gravity for character control using JavaScript, HTML5.
- Optimized animation rendering performance by using HTML5 Canvas with requestAnimationFrame function.

DOMini - *JavaScript*   **Live | GitHub**
Lightweight library for querying/modifying the DOM.
- Simplified DOM traversal, manipulation and event handling using Vanilla JavaScript
- Accomplished AJAX functionality through the XMLHttpRequest API to initialize a request and register a callback to its onload.

EDUCATION

App Academy   **New York, NY**
Intensive computer programming school with a < 5% acceptance rate.   Feb. 2017 - June 2017

Washington University in St. Louis, Sam Fox School of Design & Visual Arts   **St. Louis, MO**
Master of Architectural and Building Sciences/Technology   Sept. 2013 - May 2015
M. Arch 2 Program (Highly Distinguished Program 12/248)

Southeast University, School of Architecture   **Nanjing, China**
Bachelor of Architecture   Sept. 2008 - June 2013

PROFESSIONAL EXPERIENCE

Rafael Viñoly Architects   **New York, NY**
Designer   July 2015 - Feb. 2017
- Successfully designed and coordinated projects from concept through completion.
- Worked closely with clients to create vision, conceive designs, provide proposal layout and design for million-dollar corporate contracts under extremely tight deadlines.
- Developed aesthetic composition and logistical analysis for models drawings and sketches.
- Created and conducted highly persuasive presentations to clients using Adobe Creative Suites.

Hua Xia Bank   **Nanjing, China**
User Interface Developer Intern   June 2014 - Aug. 2014
- Refined design of online messaging and online notification system of Employee Centric Self Service Portal (Office Automation System) to improve user experience and efficiency using Adobe Illustrator and JavaScript.
- Developed submodule of online/offline bank business introduction of Client Centric Self Service Portal using HTML and JavaScript.