

# Zheng Qian

## Full-stack Developer

### PROJECTS

#### **CloudBnC** - *Rails, React.js, Flux, PostgreSQL*

[Live](#) | [GitHub](#)

Full-stack web application inspired by Airbnb, built using Ruby on Rails utilizing React.js/flux architecture.

- Uses React.js to dynamically and efficiently rerender page components.
- Securely encrypts password digests with frontend and backend validation for accounts.
- Integrates Google Maps API for geolocation based searching.
- Store image uploads in the cloud using Cloudinary.

#### **Doge Jump** - *JavaScript, HTML5, Canvas*

[Live](#) | [GitHub](#)

Browser game inspired by Doodle Jump.

- Incorporates HTML5 Canvas for dynamic animation.
- Created physics engine with axis-aligned bounding box collision detection and gravity for character control.

#### **DOMini** - *JavaScript*

[Live](#) | [GitHub](#)

Lightweight library for querying/modifying the DOM.

- Contains methods for standard DOM node manipulation to update HTML/CSS.
- Allows for AJAX requests built on top of Web API.

### SKILLS

**Computer:** Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Flux, SQL, Git, HTML, CSS, Adobe Creative Suites, Digital/Physical Modeling, 3D Rendering

**Language:** Mandarin, English

### EDUCATION

**App Academy** · New York, NY · Feb. 2017 - May 2017

Twelve-week intensive computer programming school with a <5% acceptance rate.

**Washington University in St. Louis,**

**Sam Fox School of Design & Visual Arts** · New York, NY · Sept. 2013 – May 2015

Master of Architectural and Building Sciences/Technology

M. Arch 2 Program (Highly Distinguished Program 12/248)

**Southeast University,**

**School of Architecture** · Nanjing, China · Sept. 2008 – June 2013

Bachelor of Architecture

### PROFESSIONAL EXPERIENCE

**Rafael Viñoly Architects**

**New York, NY**

*Designer*

July 2015 - Feb. 2017

- Developed aesthetic composition and logistical analysis for models drawings and sketches.
- Prepared 3D renderings and document packages for presentation.
- Performed due diligence pre-design research to meet regulatory standards and approval.
- Schematic Design, Design Development, Construction Documents and Presentations using AutoCAD, Revit and Adobe Creative Suite. Finished design of high-rise hotel, visitor center and 5500-people headquarter building.