

# Chao Fan

## Software Developer

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### PROJECTS

**Instaview** | Ruby on Rails, PostgreSQL, React, Redux [Live](#) | [GitHub Repo](#)

Single-page web app for sharing photos and discovering social connections

- Utilizes Redux cycle to update the state of React components based on users' actions to enhance user experience
- Organizes JSON files with Jbuilder in the back end to make sure sensitive information will not be exposed to the public.
- Secures authentication by encrypting user's password with BCrypt gem
- Implements photo uploading feature with paperclip Ruby gem and stores photos on Amazon Web services S3

**GDP Map** | HTML5/CSS3, jQuery, datamaps [Live](#) | [GitHub Repo](#)

A data visualization project for showing all countries' annual GDP data

- Reorganizes the JSON file requested from World Bank for data rendering
- Renders world map with datamaps library to show different color on each country based on GDP value
- Shows country's GDP data and more information when mouse clicks the country on the map

**Trivia Master** | HTML5/CSS3, jQuery [Live](#) | [GitHub Repo](#)

A browser quiz game that user can answer various kinds of questions

- Requests and organizes questions from API into different categories
- Built with role-playing game system that user can gain experience points and purchase items to help with the gaming experience

**eQuery** | JavaScript [Live](#) | [GitHub Repo](#)

A lightweight JavaScript library for manipulating DOM elements and handling events

- Allows users to traverse and manipulate the DOM on the webpage, handling JavaScript events and making AJAX requests
- Demonstrates the library functions with a web application, Desktop Widgets, which contains a todo list and a real-time weather application

### EXPERIENCE

**Fangshan District Bureau of Transport of Beijing Municipality, Beijing, China**

*Subway Safety Compliance Specialist* Jan 2011 - July 2014

- Collated data from third-party data and used Excel built-in functions and formulas to calculate usage trends and provided statistics to supervisor
- Conducted physical inspection of trains to ensure compliance with safety regulations and created summary reports

### SKILLS

Ruby Ruby on Rails

PostgreSQL

HTML5/CSS3

JavaScript

React Redux

jQuery Git

RSpec Webpack

### EDUCATION

**App Academy, New York**

Sep 2017 - Nov 2017

1000-hour immersive

full-stack web development

intensive with <3%

acceptance rate

**Baruch College, New York**

Jan 2015 - May 2017

**M.S. in Information**

**Systems** (GPA: 3.59)

**University of International**

**Business and Economics,**

**Beijing, China**

Sep 2004 - July 2008

**B.B.A. in Human**

**Resources Management**