ChaoFan

(914) 733-8425   New York, NY   U.S. Permanent Resident   fanchao05@gmail.com

PORTFOLIO   GITHUB   LINKEDIN

SKILLS   React, Redux, Ruby, Ruby on Rails, JavaScript, jQuery, HTML, CSS, SQL, git, TDD

PROJECTS

INSTAVIEW   (Ruby on Rails, React, Redux, PostgreSQL)   live | github

A single-page application that allows users to upload pictures, like pictures, make comments and follow other users.

- Built custom reusable modal component with React for different user interfaces.
- Created infinite scroll feature within React lifecycle methods, that loads more content only when the user scrolls to the bottom of the page.
- Implemented photo uploading feature that stores photos on Amazon Web services S3.

GDP Map   (HTML5/CSS3, jQuery, AJAX, datamaps)   live | github

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

- Obtained the GDP data from World Bank API by sending AJAX request and parsed JSON file for the purpose of data visualization.
- Utilized datamaps library and formatted JSON file to render a world map that shows different color for each country based on its GDP value.
- Integrated the data with the world map to show a country's GDP data and more information when the mouse clicks on each country on the map.

Trivia Master   (HTML5/CSS3, JavaScript, jQuery, AJAX)   live | github

A web quiz game where the player can answer various kinds of questions.

- Designed the quiz game that sends AJAX requests to third-party API to fetch the questions based on the player's choice.
- Utilized jQuery to implement a role-playing game system that allows the player to gain more abilities during the game.

eQuery (HTML5/CSS3, JavaScript)   live | github

A lightweight JavaScript library

- Created a JavaScript library with vanilla JavaScript to easily manipulate DOM elements and handle events.
- Built a web application to demonstrate the features of the eQuery library, which contains a to-do list and a simple weather application.

EXPERIENCE

Software Developer Technical Instructor

App Academy   Aug 2018 - Present

- Taught intermediate programmers the fundamentals of programming and data structures.
- Conducted one-on-one help with students on solving basic algorithm problems in Ruby programming language.

Subway Safety Compliance Specialist

Fangshan District Bureau of Transport of Beijing Municipality   Jan 2011 - Aug 2014

- Collated data from third-party data supplier on subway usage. Used Excel to calculate usage trends and provided statistics to the supervisor.
- Conducted physical inspection of trains to ensure compliance with safety regulations and created summary reports.

EDUCATION

App Academy - Immersive software development course with a focus on full stack web development (Nov 2017)
Baruch College - *M.S. - Information System*   (May 2016)
University of International Business and Economics - *B.B.A. - Human Resources Management*