

Chao Fan

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U.S. Permanent Resident

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[PORTFOLIO](#)

[GITHUB](#)

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SKILLS React, Redux, Ruby, Ruby on Rails, JavaScript, Express.js, MongoDB, HTML, CSS, SQL, git, TDD

EXPERIENCE

Full Stack Developer

Transcendent Endeavors

June 2019 - Present

- Designed and implemented a patient incentive project with Ruby on Rails, React and Redux to help clinics track patient's arrival for appointments and solve the no-show problem.
- Refactored the backend of the application from Ruby on Rails and PostgreSQL to Express.js and MongoDB that make data storing more flexible. Modified React components with React Hooks to boost the performance of the application.

Software Developer Technical Instructor

App Academy

Aug 2018 - July 2019

- Taught intermediate programmers the fundamentals of programming and data structures.
- Conducted one-on-one mock interviews to help students improve the algorithm and data structure problem-solving skills.

PROJECTS

INSTAVIEW (Ruby on Rails, React, Redux, PostgreSQL)

[live](#) | [github](#)

A single-page application allowing 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 colors 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 that allows the player to gain more abilities during the game.

EDUCATION

App Academy - Immersive software development course with a focus on full-stack web development (Nov 2017)

Baruch College - M.S. - Information Systems (May 2016)

University of International Business and Economics - B.B.A. - Human Resources Management