

# Chao Fan

(914) 733-8425

New York, NY

U.S. Permanent Resident

[fanchao05@gmail.com](mailto:fanchao05@gmail.com)

[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

**SKILLS** JavaScript, React, Redux, Ruby on Rails, PostgreSQL, Node.js, MongoDB, HTML, CSS, git, TDD

## EXPERIENCE

### Full Stack Developer

*Transcendent Endeavors*

June 2019 - Present

- Responsible for the full lifecycle of software development, including system design, coding, testing, and deploying.
- Designed and implemented the project funded by the National Institutes of Health, 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 Node.js, Express.js, and MongoDB that make data storing more flexible.
- Modified React components with React Hooks to improve the application performance and code cleanliness.

### Software Developer Technical Instructor

*App Academy*

July 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 the World Bank API by sending AJAX request and parsed the JSON file for the purpose of data visualization.
- 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 game that sends AJAX requests to third-party API to fetch the questions based on the category and difficulty that are chosen by the player.
- 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)

Relevant Coursework: C++ programming, Systems Analysis and Design, Database Management Systems

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