Chao Fan

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PORTFOLIO   GITHUB   LINKEDIN

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

EXPERIENCE

Full Stack Developer   June 2019 - Present
Transcendent Endeavors   New York, NY
- Take charge of the full lifecycle development of an NIH-funded product, enabling the healthcare providers to track patient engagement and appointment in order to decrease the no-show rate. Directly report to the CEO.
- Developed the application with React, Redux, Ruby on Rails and PostgreSQL. Used Bootstrap and Material-UI for the frontend styling. Deployed the application on Heroku. Implemented scheduled text message with Twilio and Heroku Scheduler.
- Refactor the backend of the application from Ruby on Rails and PostgreSQL to Node.js, Express.js, and MongoDB to satisfy the requirement of storing data. Modify React components with React Hooks to improve the code cleanliness and readability.
- Completed 2 major versions of the application within 7 months and reported over 60 different backlogs using the Agile Methodology and JIRA sprint management tool.

Software Developer Technical Instructor   July 2018 - July 2019
App Academy   New York, NY
- Taught over 200 students the fundamentals of programming and data structures. Hosted office hours to help students with Ruby programming questions for over 300 hours.
- Conducted one-on-one mock technical 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 showing and analyzing all countries' annual GDP data
- Queried the GDP data from the World Bank API by sending AJAX request and parse the 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.

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*