Jose Orea

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🖥️ http://joseorea.io

Github.com/Jore0

Software Engineer with a passion for building beautifully designed, responsive, user-friendly meaningful applications

EDUCATION

App Academy
Software Engineering
New York | 2019

Master's – Education
CUNY Brooklyn College
Brooklyn | 2015

Bachelor of Arts – Math Education
CUNY Brooklyn College
Brooklyn | 2012

SKILLS

JavaScript, HTML, CSS, SCSS p5.js, React.js, Redux.js, Ruby, Ruby on Rails, jQuery, SQL, AWS, PostgreSQL, SQLite3, Git, Affintiy Designer, Saas, Regex, UX-UI Design, C++, Heroku, Webpack, Web Design, D3.js, Chart.js, Understanding of RESTful APIs services, HTTP, JSON, Ajax

PROJECTS

Software Engineer

AudioHive|*Full Stack* |Github/Jore0/AudioHive**|**audiohive-aa.herokuapp.com

Music App where users can listen and upload songs, inspired by SoundCloud

- Leveraged HTML 5 Audio and Redux to make a slice of state for the player component, creating a music player with persistent audio streaming with the user navigated through the app.
- Structured the state of the Redux cycle and dynamically sync audio waveforms to play-pause toggle buttons on the music player so the users have better visual control of the song.
- I have optimized the Rails database by incorporating best practiced of SQL and Active Record association thus removing N+1 queries and increasing performance by 40% ensuring dynamic scalability.
- Utilized the Rails backend and AWS S3 to encrypt mp3/image storage for data optimization, organization and security.
- I have developed an interactive user experience with React components local state for song uploads using drag and drop features.
- Designed and maintained RESTful APIs using JavaScript and Ruby On Rails to manage data in database.
- Technologies: React.js, Redux.js, HTML5, SCSS, Ruby on Rails, AWS, Waveform

NBA Stats   Github.com/Jore0/NBAStats | https://joseorea.io/NBAStats/

Data visualization project that clearly and creatively displays an NBA player average stat.

- Utilized NBA API to fetch a player's average stats based on user input in player search field returning up-to-date information as triggered by respective events.
- Parsed JSON data from API calls to optimize the structure of arguments passed into custom Chart.js based DOM manipulation functions, rendering a interactive chart.
- Provided the user with an initiative and recognizable user interface, styled to complement the NBA brand.
- Optimized architect of code for high speed API calls and efficient use of closures resulting in smoother UI.
- Technologies: Chart.js, JavaScript, NBA API. webpack

WORK EXPERIENCE

Title: Math/Computer Science/ Robotics Teacher | Aug 2012 – Jun 2019

Employer: NYC Department Of Education | Astoria, NY 11102

- Initiated the Mayor's CS4ALL Program, created a 7-year computer Science track for students.
- Recruited and trained new teachers in JavaScript, resulting in a 20% increase of CS teachers in our school.
- Awarded 2017 TYWLS teacher Blue Ribbon award for most impactful educator.
- Led multiple grade teams (consisting of 4+ teachers and 90 + students), organizing school events, selecting curriculum, meeting with administration to discuss any teacher/student concerns.
- Collaborated with Tech Department to redesign school tech standards for teachers to implement in rubrics and grading criteria.

Title: P5.js Curriculum Developer | Jun 2017 – Aug 2019

Employer: CS4ALL | New York

- Advance the development of NYC CS4ALL p5.js curriculum
  - Wrote JavaScript lesson plans which over 40 schools are using daily.
  - Point Person for curriculum and P5.js content questions
- Facilitated monthly professional development workshops for over 100 teachers with a focus on teaching p5.js content along with basic vanilla JavaScript DOM manipulation and best practices.
- Maintained Agile methodology to develop student and teacher software.