Bumsoo Kim

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SKILLS   Ruby, Ruby on Rails, RSpec, React, Redux, JavaScript, SQL, jQuery, AWS, D3.js, HTML5, CSS/SASS

PROJECTS

MELP SQL, Ruby on Rails, JavaScript, ReactJS, Redux, AWS, Google Map API   live | github

Yelp-inspired responsive single page app that allows the users to view their local businesses and to read and submit the reviews

- Developed a SQL queries to extract businesses from the database according to their locations on Google Map API and the search terms given.
- Incorporated AWS into the app to host businesses' photos and to allow users to submit photos, but reject the photos if they exceed 1mB to prevent malicious actors from overloading the server with large files.
- Implemented HTML5 Geolocation API to request new user's location during the registration. Their location was used as the center of Google Map API and the businesses that were out of bounds were filtered out.

NYC PARTICIPATES! JavaScript, jQuery, D3.js   live | github

Data Visualization of NYC Participatory Budgeting Projects on a map of NYC

- Mapped all NYC city council districts by reading GeoJSON and drawing them as SVG paths using d3.JS and visualized the projects in CSV by drawing SVG circles on top of the districts with their corresponding latitude and longitude data
- Organized the projects' data by allowing the user to access the information about the projects in the specified district or the specific project corresponding to the circle by clicking on the corresponding district SVG path or project SVG circle.
- Devised NYC Participates as an interactive single page app by removing and adding HTML elements according to user's inputs using jQuery and making a district turn white if the mouse hovers over it.

EXPERIENCE

Tech Lead of El Salvador team

Engineers Without Borders - New York University   2014 - 2015

- Oversaw the revitalization of El Salvador project after few years of neglect.
- Communicated and Cooperated with the community at El Salvador to establish water treatment system.
- Directed the team to translate the Water Treatment System proposal from local El Salvador university from Spanish to English and to find a feasible way to implement it on the ground.

EDUCATION

App Academy - 2019 - Intensive 1000+ hour software developer curriculum with < 3% acceptance rate

New York University - *BA Chemistry, Minor in Mathematics 2012-2018*

LANGUAGE

Korean - Native Speaker

English