Julian Jurai

PROJECTS

**NYCBnb** — Rails, PostgreSQL, React, Redux, JavaScript, HTML5, CSS, jBuilder, Webpack

NYCBnb is a full stack, single page web application allowing users to make reservations at various locations in New York City. [LIVE](https://nyc-bnb.herokuapp.com/) [GITHUB](https://github.com/Julian-Jurai/nycbnb)

* Enables predictive location tagging utilizing Google Places API and AWS S3
* Protects user’s data via customized front and back-end authentication system using Rails and the BCrypt gem
* Utilizes ActiveRecord Relation modules to eliminate n+1 queries via eager loading
* Implements CRUD functionalities, associations and RESTful API

**DOMino** — JavaScript, HTML, CSS, Webpack

DOMino is a lightweight JavaScript DOM manipulation library allowing users to interact with DOM node elements in a variety of ways. [LIVE](https://github.com/Julian-Jurai/DOMino) [GITHUB](https://github.com/Julian-Jurai/DOMino)

* Allows for DOM element, selection, manipulation and creation
* Simplifying HTTP requests using the ajax format

**Vehicle Collision Data Visualization** — JavaScript, D3.js, HTML5, CSS, Google Maps API, Google Visualization API

This project involves utilizing vehicle collision data to provide insight on collision frequencies, locations, causation and resulted casualties through data visualization. [LIVE](https://julian-jurai.github.io/vehicle-collisions-data-visualization/) [GITHUB](https://github.com/Julian-Jurai/vehicle-collisions-data-visualization)

* Clearly depicts relationships between geographical locations, frequencies of collisions, related casualties and the causes using Google Maps API, D3.js
* Demonstrates how collisions vary depending on time of day and month using cumulative data over a five year period using an asynchronous time lapse render

EXPERIENCE

**Trinidad Generation Unlimited,** Trinidad

Power Plant Engineer

July 2016 - July 2017

Developed an automated Gas Turbine Logging system that run on Microsoft Excel’s Visual Basic for Applications (VBA) improving the company's manpower utilisation rate by two hours.

EDUCATION

**App Academy, NY - Full Stack Web Development Course. 2017**

1000+ hour web development course with a <5% acceptance rate; topics include test-driven development OOP, REST, custom authorization and programming best practices.

**University of the West Indies, Trinidad - BS. Mechanical Engineering (Hons).**

**2012-2016**

GPA: 3.85

Specialization: Power Engineering and Engineering Design.

Awarded the PowerGen academic grant of $10,000 for academic performance in power plant engineering.

SKILLS

Ruby Rails JavaScript React Redux PostgreSQL SQL Rspec jBuilder AWS Git jQuery HTML CSS D3 MATLAB Sketchup