

# Julian Jurai

Full Stack Web Developer

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## PROJECTS

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

NYCBnb is a full stack, single page web application allowing users to make reservations at various locations in New York City. [LIVE](#) [GITHUB](#)

- 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*

DOMino is a lightweight JavaScript DOM manipulation library allowing users to interact with DOM node elements in a variety of ways. [LIVE](#) [GITHUB](#)

- 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](#) [GITHUB](#)

- 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.

## SKILLS

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

## 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.