Julian Jurai

Full Stack Web Developer

New York, NY 10001
(718) 414-3839
andrewjurai@gmail.com
www.github.com/Julian-Jurai
www.jjurai.com

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.

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.