MUHAMMAD ALAM

Woodside, NY 11377 | (C) 347-255-9061 | alam@mmtutor.com

http://mmalam.me   https://github.com/mmalamm

Projects

Senwatch: Full stack web application which retrieves and updates information about US senators sourced from several different API calls and allows users to access information delivered in a user-friendly US map interface (draft demo: http://senwatch.us)
- Implemented Node/Express/mongoDB backend to manage database
- Leveraged Propublica, OpenSecrets, Wikipedia, Twitter APIs for data
- Navigated asynchronous data flow using ES6 promises and npm request
- Contructed robust RESTful express API to update and read senator data
- React/Redux front end architecture for highly performant UI

HalalHub: Full stack single-page web application inspired by Yelp which allows users to search, locate, and review Halal trucks around the NYC area (draft demo: http://halalhub.us)
- Constructed Ruby on Rails and JBuilder backend for robust API design
- Applied ActiveRecord with PostgreSQL for efficient data querying
- Implemented Google Maps API to filter and search truck locations
- Built React/Redux front end architecture to minimize AJAX requests
- Utilized BCrypt library for user authentication security best practices

Work History

Web Developer   06/2017 to Current
UN Project to Alleviate Poverty (part of 2017 SDGs) – United Nations
Web developer intern for WP4P, a project under the United Nations' Sustainable Development Goals for 2017. Constructing informational site detailing UN projects based in Cameroon by Dr. Giselle Kamanou

Healthcare Specialist   10/2013 to Current
New York Army National Guard – New York, NY
Performed health checks for soldiers across New York State to update health records on U.S Army PHA database and applied medical procedures efficiently at scale for elements ranging in size from hundreds to thousands of soldiers per cycle. Previously provided medical support for a combat infantry unit at point of injury, in transit, and in ad-hoc medical aid stations, using MC4 systems to update patient records remotely in the field

Teacher/Tutor   01/2011 to 10/2013
The Princeton Review – New York City, NY
Provided Instruction and mentorship to students to raise scores on standardized exams including the SAT, ACT, GRE, SHSAT and MCAT sciences in both classroom and one-on-one settings and maintained a 4.9/5.0 for student satisfaction ratings, based on score improvements, time management and student engagement

Education

Full Stack Web: Object Oriented Programming and Full Stack Web Development   2017
App Academy - New York City
1000 hour full-stack web programming bootcamp with a < 3% acceptance rate focusing heavily on computer science principles and object oriented programming

Bachelor of Science: Biological Sciences   2012
Stony Brook University - Stony Brook, NY
Coursework and research included Bioinformatics with experience analyzing genomic data from NCBI in R and Biopython

Skills

JavaScript/ES6, Ruby/Rails, NodeJS, ExpressJS, postgreSQL, mongoDB, AWS, HTML5/CSS3, React.js, Flux/Redux, Git/GitHub, RSpec testing, Mocha and Jasmine testing, Gulp/Grunt, Webpack, jQuery, D3js, Python, R and more