Muhammad Alam
Software Developer

3343 61st Street, 2nd Floor
Woodside NY, 11377
(347) 255 9061
alam@mmtutor.com

SKILLS

Ruby on Rails, Node.js, JavaScript/ES6, HTML5, CSS3, jQuery, React.js, Flux/Redux, D3js, RSpec, SQL, Python, Git

EDUCATION

Stony Brook U, NY

B.S. Biological Sciences

Class of 2012

Coursework and research included Bioinformatics with experience analyzing genomic data from NCBI in R and Biopython

App Academy, NY

Full Stack Web Development

Feb 2017

1000-hour programming boot camp with < 3% acceptance rate focusing on OOP and full stack web development

PROJECTS

HalalHub

Full stack single-page web application inspired by Yelp which allows users to search, locate, and review Halal trucks around the NYC area

- Implemented Google map to filter and search truck locations
- React/Redux front end architecture minimized AJAX requests
- PostgreSQL and ActiveRecord for efficient data querying
- BCrypt library for user authentication security best practices
- Ruby on Rails and Jbuilder on backend for robust API design

SenWatch

Browser-based Javascript application using D3 and several API's which allows users to click on a rendered map of the US and get tweets and information about the senators of the clicked state

- D3js library to render and add query logic to SVG map
- Propublica Congress API for information on senators
- Wikipedia API to query for images with JSONP for CORS
- Twitter API for senators' latest tweets
- jQuery for AJAX requests, SVG, and DOM manipulation
- CSS flexboxes for layouts and aesthetic user interface

mmDollar

DOM traversal and manipulation library written in plain JavaScript

- Allows querying, selecting and manipulating DOM elements
- Implements simplified AJAX request format using native JS
- Implements method to run callbacks once DOM fully loads

EXPERIENCE

The Princeton Review, New York, NY - Teacher/Tutor

January 2011 - Present

Coached 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

New York Army National Guard, NY - Healthcare Specialist

October 2013 - Present

Performed routine health checks for NYARNG members across New York State to update health records on U.S Army PHA database and perform 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