MD FARSHID ZAMAN

SOFTWARE ENGINEER

📱 832.729.5453

✉️ mdfarshidzaman@gmail.com

🏠 New York, NY

in linkedin.com/in/fzee23

github.com/zama1024

🌐 www.farshidzaman.tech

SKILLS

Ruby

Ruby on Rails

JavaScript

PostgreSQL

jQuery

React

Redux

HTML5

CSS3

SQL

AWS

Git

TDD

Heroku

Sass

EDUCATION

App Academy
1000-hour Full Stack software development
course with < 3% acceptance rate
Dec 2016 – Mar 2017

University of Houston
B.S. Electrical and Electronics Engineering
Class of 2016

Engineer in Training(EIT)
Certification by NCEES
Sept 2016

PROJECTS

CAREBNB (An Airbnb inspired single page web app for housing rentals)   LIVE / GITHUB

Full Stack Software Engineer   ES6, React+Redux, Ruby on Rails, PostgreSQL

- Applied React's virtual-DOM to render database updates by querying RESTful API on Rails backend
- Integrated Google Maps API for geolocation based apartment searching for a pleasant UX
- Applied custom validation to implement the booking and search logic for given parameters
- Designed a fully-responsive, user-friendly front end experience with CSS flexbox and node packages

RUSH CITY (Single-player platform biking game)   LIVE / GITHUB

Front End Web Developer   JavaScript, HTML5 Canvas, CSS3

- Implemented abstract jumping physics by calculating HTML5 Canvas frame rates using JavaScript
- Formulated collision detection algorithm for all moving objects by matching its positions
- Implemented render logic to create a 3D visual experience on a 2D canvas element.
- Accomplished global highest score by utilizing the Google Firebase Web API

DOMinator (jQuery inspired lightweight JS library for fast DOM manipulation)   LIVE / GITHUB

JavaScript Developer   Vanilla JavaScript

- Abstracted browser DOM API into vanilla JavaScript objects through wrapper design pattern for intuitive traversal and manipulation of the HTML elements
- Constructed a custom AJAX functionality with a built-in Promise object using XMLHttpRequest

OTHER EXPERIENCE

OMRON OILFIELD & MARINE   HOUSTON, TX

SOFTWARE ENGINEERING INTERN (SENIOR DESIGN PROJECT)   SEPT 2015 - MAY 2016

- Built prototype of a real-time 3D positional sensor system for an oil company to increase safety of workers around drilling rig equipment by programming microprocessors
- Played the lead programmer role to program a TI micro controller to control Hall sensors, 6 DOF IMU sensors and establish wireless RF communication.
- Won 1st place award for the best senior design project at UH Capstone Design Conference 2016.