Lifazul Tonmoy

FULL-STACK DEVELOPER

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EDUCATION

App Academy (Spring 2018)
Full-Stack Developer
1000-hours Immersive software development course with focus on full stack web development (Less than 3% acceptance rate)

CareerFoundry (Dec. 2015-Jan. 2016)
UX/UI Design Course
Online course centered around tools for UX/UI
Learned techniques to record user analytics to measure changes in design

City College of New York
Environmental Engineering
Magna cum Laude 3.5/4.0
Grove Kaylie Scholar
Step Scholar

SKILLS

TECHNICAL

CSS · Ruby · React · Redux · Rails
jQuery · SQL · HTML · RSPEC/TDD
Webpack · Javascript · JEST · AWS

DESIGN

Photoshop
Illustrator
Sketch
Information Architecture
Usability Testing
Google Analytics
Card Sorting

SOFT SKILLS

Communication
Presentation
Project Managing
Writing

INTERESTS

Team Sport (Basketball)
Game/Strategy (Chess)

PROJECTS

Wondernote MAY 2018-Present　　　　　　　　　Live Site | Github
AWS, JEST, PostgreSQL, Quill.js, React.js/Redux, Ruby on Rails, Webpack
A cloud-based note-taking and organizational app inspired by Evernote
- Implemented Quill.js to support rich-text editing to expand tools for note taking
- Recycled React Components to keep code DRY by rendering different content
- Utilized React's virtual DOM with a Redux store to perform note CRUD operations using RESTful API calls
- Tested components through JEST to ensure the behavior of pieces of code are working correctly

Smart Rocket MAY 2018-Present　　　　　　　　Live Site | Github
Canvas, CSS Grid, Javascript, HTML5, Webpack
A browser demonstration displaying the trajectory from one source to a target
- Determined the shortest distance between two points by applying physics and created rockets with the same velocities by calculating unit vector directions
- Placed collision detection on barriers to compute point of impact
- Constructed a node tree so that the smart rocket can "inherit" the velocities that is needed in order to reach the target

DOMnoy MAY 2018-Present　　　　　　　　　　Live Site | Github
HTML5, Javascript
DOM manipulation library that is used for a demonstration of Tic Tac Toe
- Built a Javascript library to provide shortcuts for DOM manipulation, such as AJAX requests, event handling and HTML selectors/setters/getters
- Made a playable demo of Tic Tac Toe to demonstrate tools of the DOMnoy library

EXPERIENCE

Software Engineer Intern | July 2018 - present
App Academy
- Taught the best practices in Ruby so students can understand how to tackle problems and supported students that required extra guidance
- Applied knowledge of Javascript, Ruby and Python to conduct technical interviews of applicants to determine fit into the App Academy program

Project Manager | May 2016 - January 2018
Department of Design and Construction
- Oversaw an $11mil construction project's budget and scheduling to make sure that the project followed its timetable and met any required deadlines
- Interacted with three major group parties to solve $500k dollars worth in outstanding payments
- Facilitated with contractors, clients, and workers to make sure project's goals were understood amongst all parties

Calculus Teacher | June 2014 - Sept 2014
Kappa Academy
- Orchestrated lesson plans to cover Calculus material condensed in a 7 week program to improve students' scores on average of 70%
- Prepped the material to clearly and effectively through presentations to explain differentials and integrals to students learning the concept for the first time