

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

LANGUAGES

CSS • Ruby • React • Redux • Rails
jQuery • SQL • HTML • RSpec/TDD
Webpack • Javascript

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](#)

Ruby on Rails, React.js/Redux, PostgreSQL, Quill.js, 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

Smart Rocket MAY 2018-Present

[Live Site](#) | [Github](#)

HTML5, Webpack, Canvas, Javascript
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

DOMnjoy MAY 2018-Present

[Live Site](#) | [Github](#)

Javascript, HTML5
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 DOMnjoy 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

Kappy 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