Refath Hossan

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Portfolio Site | Github | LinkedIn

Projects

Slackers-Row (React, Redux, Ruby on Rails, Javascript, PostgreSQL)   Live | Github

Full Stack Single Page, live chat experience where users can join private channels to converse – inspired by Slack

- Maintained user subscriptions to channels using action-cables mounted on redis servers, hosted on Heroku
- Implemented RESTful API from Rails backend to alter React virtual-DOM state
- Ensured active-record associations between channels and messages, through-associations for linking users to their messages
- Designed a fully-responsive, user-friendly frontend experience

Live | Github

Bool Online (University Capstone Project) (Java, Javascript, Google App Engine, Google Datastore Spring MVC)

Web application that simulates the behavior of logic gates, designed to be a supplemental learning tool for computer architecture courses

- Implemented search querying of Google Datastore to retrieve user projects
- Maintained front-end experience using HTML5 and CSS3, alongside bootstrap to create a dynamic user experience
- Designed CRUD functionalities of data on Google Datastore, coordinated using Spring MVC

Mastermind (React, Redux, Firebase, Javascript, Semantic UI React, Webpack)   Live | Github

Popular browser game to demonstrate React-Redux front-end fundamentals

- Utilized Firebase to host game, as well as sync scores to a cloud database and render a leaderboard
- Implemented Semantic UI React to design for an user-friendly frontend experience

Github

Karma (Social Good Hackathon August 2018) (React, Redux, Javascript, Semantic UI React, Socket.IO)

48-hour hackathon - Developed a social network where users can post charitable acts of social good

- Utilized Socket.IO to render live updates of users' charitable acts of good onto a newsfeed
- Designed an intuitive user experience using Semantic UI React framework

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Experience

Coding Instructor   *App Academy New York*   July 2018 – Present

- One-on-one tutoring, teaching common algorithms, data structures, and CS fundamentals
- Conduct lectures and oversee classes as large as 30 students

Office Assistant/Tier 1 Desktop Support   August 2014 – June 2015
          Stony Brook School of Health Technology & Management
Community Outreach/Administrative Assistant   2012 –2014
          Mount Sinai Adolescent Health Center

Relevant Skills

Javascript | Ruby | React | Redux | Rails | PostgreSQL | Heroku | Action Cable | Webpack | Spring MVC | Google App Engine | Google Datastore | HTML5 & CSS3 | Bootstrap

Education

App Academy, May 2018
Full-stack web development course with a <3% acceptance rate

Stony Brook University, August 2017
B.S, Computer Science