**Refath Hossan**

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**Projects**

**Slackers-Row** (React, Redux, Ruby on Rails, Javascript, PostgreSQL) [Live](https://slackers-row.herokuapp.com/#/) | [Github](https://github.com/Rhossan/slackers_row)

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

● Implemented 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

● Active-Record associations between channels and messages, through-associations for linking users to their messages

● Designed a fully-responsive, user-friendly frontend experience with CSS and React Modal

**Bool Online** (Java, Javascript, Google App Engine, Google Datastore Spring MVC) [Live](https://5-dot-bool-163515.appspot.com/) | [Github](https://github.com/Rhossan/Bool_Online)

*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

● Designed 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

**C Dynamic Memory Allocator**  (C, Linux) [Github](https://github.com/Rhossan/C-Dynamic-Memory-Allocator)

*Custom memory allocator similar to GNU C Library, developed on a Linux platform*

● Mimic’s C library dynamic memory allocation; implemented functions: alloc(), realloc(), and free()

● Handling of fragmentation, memory padding, alignment

**Experience**

**Office Assistant/Tier 1 Desktop Support** August 2014 – June 2015

*Stony Brook School of Health Technology & Management* Stony Brook, NY

● Assisted in resolving hardware and software issues to allow the continuation of an efficient work environment

● Performed Office Duties – Filing, Scanning, Data Entry

**Community Outreach/Administrative Assistant**  June 2012 – July 2014

*Mount Sinai Adolescent Health Center* New York, NY

● Lead workshops and media campaigns, teaching seminars in technology for youth groups

● Performed Office Duties – Filing, Scanning, Data Entry

**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*