Renju Radhakrishnan

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EDUCATION

DREXEL UNIVERSITY
BS in Computer Science
Minor in Mathematics
Dean's List
Expected Graduation: June 2017

LINKS

Github:// **renjuju**
LinkedIn:// **renju467**
Facebook:// **renju467**
Twitter:// **renju011**

SKILLS

Programming Languages
JavaScript (ES6)
Java
NodeJS
Frameworks
AngularJS
ExpressJS
JQuery
Spring
BootStrap
Android
Chai
Sinon
Karma
Misc
Git • Docker • Linux
AWS • CouchDB

COURSEWORK

Concurrent Programming
Artificial Intelligence
Operating Systems
Software Engineering
Systems Administration
Application Development
Algorithms and Data Structures
Advanced Programming Techniques
Symbolic Computation

SOCIETIES

Math and Computer Science Society
AngularJS-Philly
Drexel Welcome Advisory Board
Technical.ly Philly
Carver Science Fair Judge

WORK EXPERIENCE

THOMSON REUTERS | Front-End Software Engineering Intern
Sep 2013 – Sep 2016 (1 yr FT, 1 yr PT) | Philadelphia, PA
- Implemented the front end to a ML system that disambiguates authors with varying pseudonyms, now used by more than 30 internal researchers.
- Converted mission critical Ruby on Rails application from unusable to stable and facilitated better environment for further development.
- Set up Docker containers and continuous build integration infrastructure for multiple projects to allow faster deployments and development.
- Developed numerous unit tests getting code coverage from 20% to 80% on all JavaScript modules within a large-scale application.
- Fixed hundreds of bugs ranging from simple HTML errors to concurrency issues and race conditions.

ORACLE | Full Stack Software Engineering Intern
Sep 2015 – Mar 2016 | Bala Cynwyd, PA
- Delivered key data to end users by leveraging an aggregation framework for large data calculations with Oracle relational databases.
- Created tree nodes for project portfolio management software, allowing for searching of nested projects.
- Implemented RESTful services using Jersey framework and two-way data binding with Jackson library for developer use.
- Developed features and fixed bugs across multiple teams to meet the 6-month product release cycle.

PROJECTS

WEB CRAWLER | Java Application
Winter 2016
- Created a concurrent Java web crawler with an interactive menu, page ranking, and robots.txt support for all web pages.
- Runs multiple instances of itself along with filtering for specific keywords.

NODE CHECKERS | NodeJS Application
Summer 2016
- Created an **online Checkers game** using NodeJS, AngularJS, and Socket with a team of 3 to allow people around the world to play against each other.
- Hosted on a linux server with a continuous integration build server using Docker and deployment through FlightPlanJS.

LINUX KERNEL DEVELOPMENT | Linux Kernel
Summer 2016
- Developed system calls, created a fair-share scheduling algorithm, and added interprocess communication through message queues.
- Implemented unit tests on individual components to ensure working functionality.

DIGITAL LOGIC SIMULATOR | Golang Application
Spring 2016
- Implemented a digital logic simulator to support multiple logic gates using go routines with channel communication.