Rohan Ramakrishnan

ramakrir@purdue.edu
https://github.com/rramakrishnan246
(510) 468 4634

Current Address: Permanent Address:
1016 West Stadium Avenue   2086 Boxwood Way
West Lafayette, IN 47906   Fremont, CA 94539

Education

Purdue University, West Lafayette, IN   May 2018
Bachelor of Science in Computer Science

Computer Skills:

Languages: Java, Bash, C, C++, HTML
Tools: Git, Docker, Jenkins, Vagrant

Work Experience:

Software Engineering Intern – Healthagen division of Aetna

- Coded Bash scripts to run NMAP scans on various company websites and parsed command line output to return pings, security grades, and warnings of vulnerabilities to attacks.
- Wrote Docker commands to run a Jenkins continuous integration server, a MySQL database, and Drupal content management systems in order to run various Healthagen webapps.
- Automated building from Bitbucket repositories in Jenkins in order to increase speed of deploying websites.
- Worked as part of a team to develop a solution for increasing employee engagement and presented it to judges as well as other managers for our Capstone project: Won first place in our category and provided ideas that may be implemented in future programs

Projects:

Alert 911

- Extracted data from Seattle's online real time 9-1-1 data and texted people's phones in the same zip code when crimes were committed
- Provided quality assurance testing on the application, preventing crashes in the program and making sure there were no lags in the server's extraction of data or dispersion of texts
- Debugged the web application, error handling when necessary, preventing certain threads from running infinitely and making sure no loss of data occurred during run time

Pacman

- Created a replica of Pacman using Java, Swing

Busy Beaver

- Optimized Java code and corrected functionality for a demonstration of the Busy Beaver game which illustrates how Turing Machines work

Geometric Equation Solver

- Worked on back end development for calculating simple geometric equations given a few user-input parameters on the Android OS, made available on play store.
- Debugged and error handled within the application to ensure no crashes or run time errors would occur during execution