Rizwan Khan

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Website: rizhkh.github.io | **LinkedIn**: linkedin.com/in/rizwankhan

TECHNICAL SKILLS

Programming Languages
Java, Python, C, HTML/CSS, Android Programming, JavaScript, SQL, C++

Tools/Frameworks
AWS, BitBucket, CRM, EC2 instances & RDS, Eclipse, Git, Gradle, JIRA, Matplotlib, MySQL, NumPy, Putty, PyCharm, Scenebuilder, Scikit-learn, Selenium, Vim, Visual Studio 2017 & MS SQL server

PROJECTS

Map Search
January 2018 – March 2018
+ Developed a map searching application to find, track and optimize the shortest possible route by implementing a search algorithm by utilizing space-optimized A* algorithm and heuristic values for better performance
+ Coded using Java programming language
+ **Github**: github/Map Search

Image Processing
February 2018 – April 2018
+ Developed an application to determine object detection by utilizing applied algorithm using machine learning modules from namely Scikit-learn API and Bayes Theorem
+ Applied the provided data set to determine the correct frequencies
+ Architected the design of the application using Python programming language
+ **Github**: github/Image Processing

Bit Torrent Client
September 2017 – October 2017
+ Developed an app that optimizes the process of sending small encrypted data packets securely by utilizing Python and providing modules from socket server framework
+ Implemented TCP to move data in small packets from server to server
+ Transferred data is sent securely through use of encryption keys
+ **Github**: github/BitTorrent

Chess
November 2018 – December 2018
+ Designed a functional game application built on Android platform by developing Android (Gradle) and Javafx
+ It includes a well-designed graphic interface to enhance user experience for easy navigation
+ **Github**: github/Chess

EMPLOYMENT HISTORY

TRC Companies Inc., Woodbridge, NJ

Summer IT Intern
May 2018 – August 2018
+ Built a scalable platform for data automation to assist in automating and monitoring data entries into the system
+ Assisted in development of the platform using Selenium API and Python 3.0
+ Developed process flows for databases implemented for MS CRM Dynamics
+ Assisted in building business tools and customizing various features for CRM Dynamics
+ Upgraded test and product databases for new fiscal year programs
+ Collaborated on multiple projects using tools and languages like JavaScript, Python, SQL, MS CRM Dynamics, MS SQL server and JIRA

ACTIVITIES & PARTICIPATION

Undergraduate Student Alliance of Computer Scientists, Member
+ Participated in workshops led by students, alumni, professors, and industry representatives on a variety of technological topics not covered in computer classes
+ 1:1 mentorship matching underclassmen with upperclassmen to provide students with holistic mentoring on academic success, career and personal development, and technical knowledge

EDUCATION

Rutgers University
New Brunswick, NJ
+ Degree: Bachelor of Science – Computer Science
September 2014 – December 2018
    Concentration: Software Engineering, GPA: 3.6