

RizwanKhan

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TECHNICAL SKILLS

Programming Languages

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

Tools/Frameworks

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

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

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

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

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

EMPLOYMENT HISTORY

TRC Companies Inc., Woodbridge, NJ

Summer IT Intern

May 2018 – August 2018

- + Built a scalable platform for data automation
- + Platform assisted in automating and monitoring more than 8,000 data entries constituting more than 200 entries per hour 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

- + Degree: Bachelor of Science – Computer Science
Concentration: Software Engineering, GPA: 3.6

New Brunswick, NJ
September 2014 – December 2018