Rizwan Khan

(732) 688-8469
mrk150@rutgers.edu
rizhkh.github.io

Objective
A recent new grad looking to land a full-time position in a software engineering role where I can learn, contribute and grow

Experience
TRC, Companies Inc., Woodbridge NJ – Intern   May 2018 – August 2018
- Built a scalable platform to automate data processing and data entry using Python, Selenium API
- Developed process flows for database systems implemented for CRM software
- Assisted in adding and customizing various features for CRM system and upgrading test and product databases for new fiscal year programs - worked with JavaScript, Python, SQL, CRM and JIRA

Education
Rutgers University, New Brunswick NJ   GPA: 3.6
Bachelor of Science in Computer Science: Graduated December 2018

Projects
- **Map Search**   January 2018 to March 2018
  - Developed a map searching application, similar to a popular map searching application like Google maps, to find, track and optimize the possible shortest route
  - Implemented a search algorithm by utilizing space-optimized A* algorithm and heuristic values for better performance
  - Coded using Java programming language and Java modules
- **Image Processing**   February 2018 to April 2018
  - Developed an application to determine whether an image is a face or a digit
  - Utilized the provided data set to determine the correct frequencies
  - Architected the design of the application using Python programming language
  - Facilitated the applied algorithm using machine learning modules namely Scikit-learn API, Matplotlib API and Bayes Theorem
- **Bit Torrent Client**   September 2017 to October 2017
  - Developed an app that optimizes the process of sending small encrypted data packets securely
  - Implemented TCP to move data in small packets from server to server
  - Transferred data is sent securely through use of encryption keys
  - Coded using Python and provided socket server module
- **Chess**   November 2018 to December 2018
  - Designed a functional application built on Android platform allowing user to play a game of Chess.
  - It includes a well-designed graphic interface to enhance user experience for easy navigation
  - Implemented using Android (Gradle) and Javafx

Technical Skills
Programming Languages

Java (Proficient)	HTML/CSS (intermediate)	SQL (Beginner)
Python (Intermediate)	Android Programming (Intermediate)	JavaScript (Beginner)
C (Intermediate)	C++ (Beginner)	

Operating Systems: Windows, Unix/Linux

Tools/Frameworks: AWS, EC2 instances & RDS, Git, PyCharm, Putty, Eclipse, Selenium, Scikit-learn, Matplotlib, BitBucket, Gradle, CRM, JIRA, Scenebuilder, Vim

Courses
Algorithm & Design, Architecture & Assembly, Data Structures, Principles of Programming Languages, Computer security, Data Management, Intro to Artificial Intelligence, Systems Programming, Internet Technology, Software Methodology