

# Rizwan Khan

24 Grobelny Dr, Parlin, NJ, 08859 | (732) 688-8469 | [rzhkh@gmail.com](mailto:rzhkh@gmail.com) | [rzhkh.github.io](https://github.com/rzhkh)

## EDUCATION

### **Rutgers University,**

New Brunswick, NJ

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

September 2014 – December 2018

## TECHNICAL SKILLS

### **Programming Languages**

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

### **Operating Systems**

- Windows, Unix/Linux

### **Tools/ Frameworks**

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

## WORK EXPERIENCE

### **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

## PROJECTS

### **Map Search**

January 2018 – 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

### **Image Processing**

February 2018 – April 2018

- Developed an application to determine object detection
- Utilized the provided data set to determine the correct frequencies
- Implemented the applied algorithm using machine learning modules from namely Scikit-learn API and Bayes Theorem
- 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
- 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 modules from socket server framework

### **Chess**

November 2018 – 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

## ACTIVITIES

### **Hackathon, Volunteer**

- Volunteered and participated in HackRU (Rutgers), HackNY and Pennapps.

**USACS, *Member***

- Member of the premium prestigious Undergraduate Student Alliance of Computer Scientists at RU

### **INTERESTS**

---

- Traveling, cricket, reading and cooking