Muhammad Rizwan Khan

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A recent graduate with software-developer oriented set of skills such as problem solving, logic building and analysis, extensive project development and expertise in programming, looking to land a full-time position where I can learn, contribute and grow

SKILLS

Programming Languages: Android Programming, C, C++, HTML/CSS, Java, JavaScript, Python, SQL
Operating Systems: Windows, Linux, Unix, Android, iOS
Database: MySQL

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

EDUCATION

Rutgers University   New Brunswick, NJ
Bachelor of Science – Computer Science   January 2019
        Concentration: Software Engineering, GPA: 3.6

EXPERIENCE

TRC Companies Inc., Woodbridge, NJ

IT Intern   May 2018 – August 2018
- Tasked with building a scalable solution for automating and monitoring data in system that helped company save time by 40 percent by tracking files and logging time with respect to various data
- Aided the development of the platform using Selenium API and Python 3.0
- Developed and updated process flows, test and product databases implemented for MS CRM Dynamics
- Assisted in building business tools and customizing various features for CRM Dynamics
- Collaborated on multiple projects using JavaScript, Python, SQL, MS CRM Dynamics, MS SQL server and JIRA

Best Buy, Manalapan, NJ
Customer Service Specialist   October 2014 – January 2018
- Provided consultation to clients on hardware and software issues, managed business operations for customers
- Responsibilities included but were not limited to: Account merge, order placement on phone, payments on account and credit

PROJECTS

Map Search - GitHub
- Developed a map searching application to find, track and optimize the shortest possible route between two locations
- Implemented a space-optimized A* search algorithm using heuristic values for better performance by effectively calculating the distance between locations and checking optimality of memory usage and route taken by user
- Used: Java, Swing, Java libraries, Manhattan and Euclidean distance, Eclipse

Image Processing - GitHub
- Developed an object-detecting application to determine content of an image using Machine Learning modules from Scikit-learn API, NumPy API and Bayes Theorem
- Applied the provided data set to predict correct frequencies and utilized new data by applying it to the next set in process cycles with Numpy modules to determine content for better results
- Used: Python, Scikit-learn API, Naïve Bayes, Numpy API

Chess - GitHub
- Designed a functional game built for personal phone on Android platform by developing Android (Gradle) and Javafx on Android Studio
- Engineered a well-designed graphic interface, artificial intelligence and game saving functionality
- Used: Javafx, XML, Android Studio

Database Programming Project
- Designed a full stack hotel reservation service using Spring Boot framework
- Implemented the design using HTML, CSS and JavaScript with Thymeleaf for front end development and engine
- User data were stored on cloud services etc. MySQL hosted on AWS platform using RDS services
- Deployed the application using Elastic Beanstalk on EC2 instance
- Used: AWS, RDS & EC2 instances, HTML/CSS, Java, JavaScript

PROFESSIONAL DEVELOPMENT

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 e.g. cryptocurrencies, applying machine learning practices etc.
- 1:1 mentorship matching underclassman with upperclassman to provide students with holistic mentoring on academic success, career and personal development, and technical knowledge

Work Authorization: U.S Citizen / Permanent Residence card holder (No sponsorship required)