Shakeel A. Farooq

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OBJECTIVE: Motivated student seeking a challenging internship position in the field of computer science in order to utilize my software development skills to benefit the organization.

Available: Feb-Dec 2021

EDUCATION: **Rochester Institute of Technology**   **Rochester, NY**
Bachelor's Degree in Computer Science   Expected May, 2022
GPA: 3.85
Honors: Dean's List Student (2018-Current)

EXPERIENCE:

Junior Developer, Rochester Table Tennis LLC, Rochester, NY (January 2021)
Configured Jetson Developer Kits to test and encode videos and run company computer vision algorithms on videos produced by company coaches using the OpenCV library in C++ and CMake compilation tools.

Research Assistant, Columbia University, New York, NY (Summer 2020)
Designed network graphs by visualizing data using d3.js

Mechanical Lead, Pittsford First Robotics Team, Pittsford, NY (Fall 2014 - Summer 2018)
Lead the mechanical team to design and build a different robot each year based on FIRST Robotics' needs using Autodesk Inventor.

PROJECTS:

Raft Protocol, Winter 2020:
Developed the raft networking protocol in Java using Docker containers

WebCheckers, *Winter 2019*:
Developed the backend logic in Java for a multiplayer checkers game as part of an agile scrum team.

Musical-Chimes, *Winter 2018*:
Built a chime machine to play *twinkle-twinkle-little-star* which involved programming motors, switches, and solenoids with the installation of C++ software.

Vex Robot, *Winter 2018*:
Programmed a vex robot that had to run through an obstacle course using LIDAR and line sensors which involved the installation of C++ software.

SKILLS:

Programming Languages: (Proficient) Java, C/C++, Python, Assembly, SQL
(Familiar) Javascript, HTML/CSS
Technologies/Environments: Windows, Linux, Git, MySQL, Docker
Other: Ability to handle many responsibilities and desire to learn necessary skills
Work effectively and efficiently with co-workers in Agile/Scrum environments

ACTIVITIES:

- Member of Badminton Club and Muslim Student Association (MSA) at RIT
- Interests include gaming, PC building, table tennis, badminton, and soccer