

# 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:** Jan-Dec 2021

**EDUCATION:** **Rochester Institute of Technology**  
Bachelor's Degree in Computer Science  
**GPA:** 3.84  
Honors: Dean's List Student (2018-Current)

**Rochester, NY**  
Expected May, 2023

## EXPERIENCE:

***Research Assistant, Columbia University, New York, NY (Summer 2020)***

Designed network graphs by visualizing data using the Bokeh library in Python.

***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.

***Lab Assistant, Thermo Fisher Scientific, Rochester, NY (Summer 2017)***

Worked with other interns to test and collect data of small pipettes to see if they were able to draw up liquid to a certain point.

## PROJECTS:

***WebCheckers, Winter 2019:***

Developed the backend logic in Java for a multiplayer checkers game as part of an agile scrum team.

***Whack-A-Mole, Spring 2019:***

Designed and implemented a graphical based, multi-threaded whack-a-mole game using Java and JavaFX.

***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  
**(Learning)** Javascript, HTML/CSS

**Technologies/Environments:** Windows, Linux, Git, MySQL, MS Word, MS Excel

**Other:** Ability to handle many responsibilities and desire to learn necessary skills  
Work effectively and efficiently with co-workers

## ACTIVITIES:

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