

Shakeel A. Farooq

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47 Eaglewood Circle

Pittsford, NY 14534

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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: Sept-May 2022

EDUCATION: Rochester Institute of Technology

Bachelor of Science in Computer Science

GPA: 3.85

Honors: Dean's List Student (2018-Current)

Rochester, NY

Expected Dec 2022

EXPERIENCE:

Software Engineer Co-op | Paychex

Jun 2021 - Present

- Designed and developed a web application for internal use using C#, EF core for the backend and Angular for the frontend. Hosted using Microsoft Azure

Junior Developer | Rochester Table Tennis LLC.

Jan 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

Jun-Aug 2020

- Designed network graphs by visualizing data using the Javascript library d3.js
- Placed these graphs onto a static HTML webpage which can be found on my website

Mechanical Lead | Pittsford First Robotics Team

Oct 2014 - Jun 2018

- Lead the mechanical team to design and build a different robot each year based on FIRST Robotics' needs using Autodesk Inventor.

PROJECTS:

Optimal Path Finder:

Developed an optimal path finder using the A* search algorithm written in Python.

Raft Protocol:

Developed the raft networking protocol in Java using Docker containers

WebCheckers:

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

SKILLS:

Programming Languages: Java, Python, C/C++, C#, SQL, Javascript, HTML/CSS

Technologies/Environments: Windows, Linux, Git, MySQL, Docker, Azure, .NET, EF Core

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