Stanley Goodwin

907-987-5732 | sfg5318@rit.edu | linkedin.com/in/sfgoodwiniii | github.com/sfgoodwiniii

PURPOSE

Looking for a full-time summer research co-op opportunity in physics and computer science.

EDUCATION

Rochester Institute of Technology (GPA: 3.91)　　　　　　　　　　　Rochester, NY
Bachelor of Science in Physics, Minor in Mathematics　　　　　　　*Aug. 2021 – Present*

EXPERIENCE

Gene Polisseni Ice Arena Usher　　　　　　　　　　　　　　Sep 2022 – Present
Rochester Institute of Technology　　　　　　　　　　　　　　　　*Rochester, NY*
- Helping people to their seats and to keep them safe when the puck (hockey) was in play.
- To answer questions to the best of my abilities, including learning a little bit of ASL to interact with deaf guests.

Undergraduate Research Programmer　　　　　　　　　　　May 2022 – Aug 2022
Rochester Institute of Technology　　　　　　　　　　　　　　　　*Rochester, NY*
- Developed a C++ program from scratch to model an evaporating droplet of liquid on heterogeneous surfaces.
- Developed MATLAB code to model and visualize data generated from the C code.
- Drafted documentation on the implementation and methodology utilized in the simulation of the droplet.
- Worked with a team of experimental engineers and applied mathematicians in order to optimize and accurately predict the experimental data given.

House of General Science Server Manager　　　　　　　　　　Oct 2021 – Present
Rochester Institute of Technology　　　　　　　　　　　　　　　　*Rochester, NY*
- Led a team committee of tech-adjacent fields for integrating our servers and the on-floor experience.
- Developed a Python sub-library for interacting between a server and a Discord client.
- Maintained and secured 3 1U servers for The House of General Science at RIT.
- Worked with representatives at Computer Science House in order to maintain secure servers.
- Developed my skills in Linux Bash and Command Prompt using SSH (as well as requiring ssh-key for root access).
- Set up our website through our servers with a static IP and custom domain through RIT (hogs.rit.edu).
- Developed a system to automatically update repositories on the server on push commit.

PROJECTS

Windows Code Tab | *Regedit, Powershell, Git*　　　　　　　　　　　　Aug 2022
- Developed a simple program that creates a folder with a custom icon in the current user.
- It automatically adds keys to Registry to show it under This PC.
- There is a create and remove programs, so the code tab can be removed but the data is saved.

Discord Bot Base Library | *Python, JSON, Git*　　　　　　　　Oct 2021 – Present
- Used NextCord for the interaction with Discord.
- Developed a program that runs mini program-lets with very little effort.
- All the bot's characteristics are automatically initialized, only needing a Discord key to execute.
- Implemented QOL functions into the main program for ease of programming. It's very fast to develop.

TECHNICAL SKILLS

Programming: Python, C/C++ MATLAB, R (Statistics), Fortran
Data Languages: HTML, CSS, LaTeX, Markdown
Dev Tools: VS Code, Visual Studio, PyCharm, IntelliJ, Git, GitHub
Libraries: NumPy, Matplotlib, NextCord.py, Manim.py