SYED HOQUE

9 Fairchild Rd | Middletown, CT 06457 | 860-840-5495
syed.hoque@uconn.edu | www.linkedin.com/in/syedwhoque | www.github.com/swhoque

OBJECTIVE:
To obtain a summer internship that allows me to test and apply coursework, knowledge, and skills in a professional context.

EDUCATION:
University of Connecticut**,** Storrs, CT
Bachelor of Science, 05/2026
Major: Computer Science
GPA: 3.67/4.0

TECHNICAL SKILLS:
Front End: HTML, CSS, Tkinter, Figma, React
Back End: Python, C, SQLite3, JavaScript
Testing/Deployment: Python Unit Test
Developer Tools: Git, GitHub, Pip, TDD, Bash

EXPERIENCE AND PROJECTS:

Stock Trading Algorithm (Python)

- Engineered a recursive divide and conquer algorithm to optimize stock trading strategies by identifying the maximum profit from a series of daily stock prices. The algorithm efficiently calculates the best time to buy and sell stocks within a given time frame to maximize returns.
- The algorithm comprises a main function, which recursively calculates the maximum profit within a specified segment of the trading days, and a supporting function that specifically targets scenarios where the best buy and sell days straddle a midpoint.

Guitar App (Python)

- Developed an intuitive desktop application using Tkinter, simple audio, and SQLite3 for beginner guitarists. It incorporates OOP and database design principles to create a maintainable codebase.
- The user can track statistics once logged in, allowing for pinpointing of trouble spots and areas they excel.
- Users reported a 30% increase in accuracy when locating notes across the fretboard.

Process Control and Inter-Process Communication Mechanism (C)

- Developed a program to orchestrate the execution of multiple programs in sequence, utilizing Unix/Linux process control and piping mechanisms to manage program execution flow and data streaming between processes.
- Dynamically managed file descriptors to prevent resource leaks and ensure the proper termination of child processes, enhancing the robustness and reliability of the execution environment.
- Achieved dynamic execution of a variable number of programs defined at runtime.

Sandwich Artist (Subway)

- Developed excellent customer service skills
- Worked in a collaborative environment to successfully take care of customers
- Took a leadership role in training junior co-workers to company standards

ACADEMIC ACHIEVEMENTS | AWARDS:

- UCONN DEANS LIST- Fall 2022, Spring 2023
- Roberta B. Willis Scholarship