ROBERT C. WONG

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PROFESSIONAL SUMMARY

Hardworking, highly motivated professional with a creative mindset, eager to leverage combined knowledge and skills to enhance business performance. Operates effectively in both individual and team capacities, utilizing a seasoned work ethic to adapt quickly to different processes and drive company objectives. Passionate about providing as much as possible to make meaningful contributions in diverse settings and drive positive impact. Resourceful and results-driven, with a passion for growth and efficiency to meet company needs and increase service value.

SKILLS

- Experience in: Python, Java, C, and OCaml.
- Version Control: Proficient in using Git for source code management.
- Operating Systems: Proficient in Linux and Windows.
- Team Collaboration: Ability to work effectively in collaborative, cross-functional teams.

PROJECTS

- ***Daemon Management System:*** Developed an application focusing on process handling and inter-process communication in a Unix-like environment. It involved creating, and managing daemons, implementing functions such as starting, stopping, and logging daemon activities efficiently.
- ***Dynamic Memory Allocator:*** Developed a custom dynamic memory allocator using the sbrk system call in C, designed to optimize heap management through efficient allocation, deallocation, and reduced fragmentation.
- ***Chat Server Implementation in C:*** Developed a multi-threaded chat server in C that handles multiple client connections simultaneously, demonstrating proficiency in network programming and concurrent computing. It included connection management, concurrency control, signal handling, user and client registry management, and robust error handling.
- ***Big Data Handling and Database Management:*** Developed a Java application to manage and analyze NASA's database of Near-Earth Objects. Utilized bigdata.jar to efficiently process and filter through extensive astronomical data, enabling the creation of a streamlined, accessible database.

EDUCATION

BACHELOR OF SCIENCE (B.S.) IN COMPUTER SCIENCE CANDIDATE GPA 3.58

Stony Brook University, Stony Brook NY *Expected graduation May 2026*

Relevant Coursework

- CSE 320: System Fundamentals II
- CSE 220: System Fundamentals I
- CSE 214: Data Structures and Algorithms
- CSE 373: Analysis of Algorithms
- CSE 216: Programming Abstractions

Awards & Honors

- Presidential Scholarship

Extracurricular Activities

- ColorStack Developers Club

HIGH SCHOOL DIPLOMA GPA 4.00

Division Avenue High School, Levittown NY *June 2022*

Relevant Coursework

- AP Computer Science Principles
- Computer Programming

Awards & Honors

- Excellence in Computer Science Award (2022)
- High Honor Roll (2018-20122)