

Robert C. Wong

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EDUCATION

Stony Brook University

Bachelor of Science in Computer Science

Stony Brook, NY

Aug. 2022 - Dec. 2025

Relevant Coursework: *Software Development, Software Security, System Fundamentals 1 & 2, Data Structures & Algorithms, Analysis of Algorithms, Programming Abstractions, Discrete Mathematics, Linear Algebra*

SKILLS

Languages: Python, Java, JavaScript, SQL (SQLite & MySQL), C, HTML/CSS, Rust (Basic), OCaml

Frameworks: Flask, React, Express, Node.js, Bootstrap

Libraries: pandas, NumPy, python-pptx, jQuery, DataTables

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

EXPERIENCE

TD3 Innovative Gaming

Instructor

Sept. 2024 - Present

Various Locations

- Instructed students in basic computing skills and introductory coding concepts through engaging educational experiences on multiple video game platforms, fostering a collaborative and interactive learning environment.
- Managed and maintained game servers to facilitate both structured educational sessions and recreational activities, ensuring a safe and stable environment for students to learn and explore.

Outlier AI

AI Trainer

Jun. 2024 - Present

Remote

- Analyzed the output and backend of an AI model according to given prompts, reviewing the steps the model took, which included Python and SQL processes.
- Contributed to the AI model's improvement by providing comprehensive feedback and justifications, enhancing its ability to generate accurate and relevant responses for future prompts.

NYPD Compliance Division

Software Development Intern

Jul. 2024 - Aug. 2024

Manhattan, New York

- Tackled issues concerning big data processing, user submission forms and database management, bettering the quality of life for staff working on their own tasks.
- Developed user-friendly applications to transform complex and inaccessible systems into easily navigable tools for staff with limited computer experience, ensuring accessibility and ease of use for all users.
- Singlehandedly improved departmental efficiency by **86.35%** through the development of custom software.
- Created and implemented programs that are now in constant use by numerous team members, streamlining their daily responsibilities and significantly enhancing operational effectiveness across the department.

PROJECTS

RECAP - Data Entry | *Python, Flask, SQLite, JavaScript, HTML/CSS*

Aug. 2024 - Sept. 2024

- Developed an internal application for the NYPD's Body-Worn Camera unit to streamline the documentation and management of video evidence related to force incidents.
- Reduced form submission time by **58%**, significantly improving efficiency and productivity.
- Designed a user-friendly front-end interface using HTML, CSS, and the Bootstrap framework, enabling seamless form submissions and data retrieval by coworkers.
- Developed a Flask-based backend with Python and SQLite for efficient data management, using JavaScript and AJAX to dynamically display database records on the website for management to view.

ComplianceGenie - Data Processing | *Python, pandas, python-pptx, CustomTkinter*

Jun. 2024 - Aug. 2024

- A Python-based application for the NYPD to automate the generation of reports and presentations, improving efficiency by **98.5%**, replacing manual computations and data entry.
- Utilized pandas for data processing to read, clean, and compile incident, interaction, and arrest data.
- Designed an intuitive front-end using CustomTkinter, prioritizing ease of use and utility for non-technical staff.
- Generated both citywide and borough-specific statistics. Outputting results in comprehensive Excel reports using openpyxl and PowerPoint presentations using python-pptx.