

# Robert C. Wong

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## EDUCATION

### Stony Brook University — GPA: 3.6

*Bachelor of Science in Computer Science*

Stony Brook, NY

Aug. 2022 - Dec. 2025

**Relevant Coursework:** *Software Engineering, Artificial Intelligence, Web Security, Software Security, System Fundamentals 1 & 2, Data Structures & Algorithms, Analysis of Algorithms, Programming Abstractions*

## SKILLS

**Languages:** Python, Java, JavaScript, SQL (SQLite & MySQL), MongoDB, 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

### Stony Brook University

*Software Development Teaching Assistant*

Jan. 2025 - Present

Stony Brook, NY

- Conducted weekly office hours for **162** students, focusing on best practices in **full stack** software development, including modular design, maintainability, and scalability to ensure code quality and ease of debugging.
- Assisted in grading exams, and **strenuous testing** of student projects, providing constructive feedback to help students improve their coding skills and understanding of course concepts.

### TD3 Innovative Gaming

*Instructor*

Sept. 2024 - Jan. 2025

Various Locations

- Instructed students in basic computing skills and introductory coding concepts in Python through 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 - Jan. 2025

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, utilizing efficient **RESTful APIs** to enable seamless form submissions and data retrieval.
- 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.