Serena Nam

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EDUCATION

New York University, Tandon School of Engineering
Bachelor of Science, Computer Science
Major GPA: 4.0
Relevant Courses: Data Structures and Algorithms, Object Oriented Programming, Discrete Mathematics, Computer Architecture & Organization, Intro to Databases, Intro to Web Development

SKILLS

Programming Languages *(Proficient)*: Java, Python, C++, *(Familiar)*: JavaScript, HTML/CSS, SQL, Python Flask
Tools: Git, Github, MongoDB, Confluence, JIRA, Microsoft Suite, Trello

EXPERIENCE

Lockheed Martin
Full Stack Development Intern   *July 2022 – January 2024*
- Spearheaded the design and development of the main user-facing dashboard page for the Code Quest Academy platform, improving user experience with advanced tracking, searching and filter functionalities.
- Collaborated with cross-functional teams of engineers to align technical solutions with user needs, employing Agile methodologies using Confluence.
- Maintained and fixed bugs in an internal Lockheed Martin employee website, working in two-week sprints tracked through JIRA.

NYU Computer Science and Engineering
Computer Science Teaching Assistant (OOP in C++)   *September 2024 – Present*
- Leading weekly office hours to offer individualized help for students to understand object-oriented programming concepts and planning course materials during weekly meetings with the professor and fellow teaching assistants
- assisting 50-60 students with programming recitation assignments during a weekly 3 hour recitation and grading homework and recitation assignments based on code correctness, style, and documentation

NYU WordPress
Web Publishing Student Consultant   *June 2024 – Present*
- Managing client communications through NYU ServiceLink, ensuring technical issues and feature inquiries are resolved efficiently.
- Tested WordPress plugins on NYU's web publishing platform, ensuring full feature replication during a major hosting transition from Pagely to CampusPress, both visually and functionally through thorough documentation of comparisons in Excel sheets and the tracking of upcoming tasks through Trello.

PROJECTS

Airline Ticket Reservation System | Project Repository
- Implemented a full-stack website that simulates an airline ticket reservation system for customers and staff, providing various user functionalities for each role
- Developed with Python Flask for backend functionality, MySQL for database management, Apache web server for hosting, and HTML for frontend design

CartDog | Video Demo | Project Repository
- Collaborated with two other engineering students to build a prototype of a motorized cart that follows the user via a Bluetooth connected control pad.
- Led the technical design and programming of motorization and Bluetooth integration using Arduino, leading the team's product development through the use of Microsoft Project.