

Lindsey Veneziano

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Education

CUNY College of Staten Island, Expected 2025

Bachelor of Science, Computer Science

Relevant Coursework: Data Structures, Operating Systems, Analysis of Algorithms

Work Experience

Verizon

Intern - Business Support Professional: January 2023 - January 2023

- Developed a cellular data metrics collection solution using Agile SCRUM methodologies
- Completed the project within the established timeframe, fostering strong team collaboration.
- Designed a comprehensive website layout for monitoring signal strength.

Senator Diane Savino

Intern - July 2021 - August 2021

- Conducted research and data analysis for legislative reports.
 - Facilitated data collection via telephone outreach, ensuring precise information entry.
 - Refined workflow processes, contributing to successful project completion.
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Projects

Median Image Filtering Using Order Statistics (Python) - [2024]

- Implemented a median image filtering algorithm using order statistics.
- Conducted performance analysis, measuring execution times for various sample sizes.
- Utilized Python libraries (NumPy, Matplotlib, SciPy, Pandas) for numerical operations, graph generation, and image processing.
- Presented results through detailed performance graphs.

Huffman Coding Implementation (Python) - [2024]

- Engineered a sophisticated text compression algorithm for optimal space efficiency
 - Developed and implemented a binary tree structure for efficient encoding and decoding
 - Utilized Python libraries (heapq, collections) for data processing and management
 - Conducted performance analysis demonstrating superior compression ratios
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Skills

- **Languages & Frameworks:** Python, Java, C/C++, HTML/CSS, JavaScript, React, Node.js, Express.js
 - **Technologies:** Git, Docker, SQL, MongoDB
 - **Methodologies:** Agile/Scrum practices, sprint planning, iterative development
 - **Soft Skills:** Communication, teamwork, problem-solving, leadership
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Clubs and Organizations

- **Hiking Club:** Founder and Treasurer (2023-2024)
- **Women in Technology:** Treasurer (2024-Present)
- **Computer Science Club:** Active Member
- **Rewriting the Code Organization:** Active Member