

Bianca Bacchus

Software Engineer | Java, Python, C# | RPI CS Graduate

| bbacchus007@gmail.com | (631)-506-6884 | Bay Shore, NY | [LinkedIn](#) | [GitHub](#) | [Website](#) |

Education

Rensselaer Polytechnic Institute | Troy, NY

05/2025

B.S. Major in Computer Science, AI and Machine Learning Specialization

Minor in Literature and Creative Writing

Projects

Waldorf CLI Directory Analyzer (C#, .NET) | [GitHub](#)

- Developed a recursive filesystem crawler in C# that traverses large directory structures while handling permission, path length, and I/O exceptions
- Designed and implemented an analytics engine that aggregates file metadata and generates storage utilization and file-type distribution reports
- Building duplicate-file detection using SHA-256 hashing and modular backend components for file processing, analysis, and archival workflows

Work Experience

Enrichment Coding Instructor & Library Assistant

Friends Academy | **Locust Valley, NY 11560**

01/2026 - Present

- Designed and taught K-2 coding lessons using block-based programming, introducing sequencing, logic, and debugging concepts
- Created instructional materials and SOPs to improve documentation and workflow consistency
- Managed library systems including cataloging, circulation, and inventory tracking to maintain data accuracy and organization

Data Entry Specialist

Baseball Lifestyle 101 | **Farmingdale, NY 11735**

08/2025 - 11/2025

- Processed and fulfilled 100+ wholesale and e-commerce orders using NetSuite to track inventory levels, monitor SKU velocity, and prevent stockouts
- Built Excel dashboards to improve visibility into order flow and inventory health, supporting demand-related decisions and reducing operational blind spots
- Developed Python automation tools to process business data, standardize workflows, and reduce manual processing time by approximately 40%

Computer Science Lab Instructor

Rensselaer Polytechnic Institute | **Troy, NY 12180**

01/2022 - 02/2023

- Mentored 100+ students in Python, algorithms, and data structures while supporting debugging, code reviews, and technical problem solving
- Graded 200+ programming assignments and exams, and collaborated with faculty to refine lab materials and improve clarity of technical instruction

Web Development Remote Intern

Girls Who Code | **New York, NY 10010**

06/2022 - 09/2022

- Taught HTML, CSS, and JavaScript to 30+ students through project-based lessons, live coding, and debugging support

Skills

- **Languages:** Java, Python, C#, C, C++, JavaScript, HTML, CSS, MATLAB
- **Tools & Platforms:** Git/GitHub, Jira, Trello, Android Studio
- **Concepts:** APIs, Object-Oriented Programming, Data Structures & Algorithms, Debugging, Version Control, Agile Development