

# Kwasi A. Gyimah-Asante | CompTIA Sec +

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## EDUCATION

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**Fordham University**

**New York, New York**

**B.S. in Math & Computer Science (3-2 Engineering Program)**

*Aug. 2024 - May. 2028*

- o **Concentrations:** Computer & Information Science
- o **Related Coursework:** Data Structures & Algorithms, Computer Organization & Programming, Linear Algebra, Calculus, Discrete Mathematics

## EXPERIENCE

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**Software Developer Intern - Persol Systems Limited**

*June - August 2021*

- Designed and implemented a RESTful API in Python to enable secure, controlled database interactions for client applications
- Engineered SQL database schemas with normalized structures, improving query efficiency by implementing proper indexing strategies
- Developed back-end services with emphasis on data integrity, input validation, and error handling to ensure system reliability

**Clerical Associate - School of Professional and Continuing Studies, Fordham University** Jan 2026 - Present

- Managed scheduling, coordination of office meetings, and calendar management for multiple staff members and department activities
- Processed and organized student records, registration documents, and administrative files with attention to detail and confidentiality
- Supported administrative staff by handling correspondence, answering inquiries, and proctoring exams

## PROJECTS

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**Kryption | Python, Tkinter, Cryptography, File Security**

- Developed a desktop encryption tool using AES symmetric encryption to secure sensitive files.
- Implemented file-based key management to restrict unauthorized decryption, improving data privacy.
- Designed a user-friendly GUI to encourage adoption of strong file security practices.

**Data Structures Implementations | C++**

- Implemented core data structures (linked lists, BSTs, hash tables, graphs) from scratch
- Developed and analyzed sorting algorithms (quicksort, mergesort, heapsort) with performance benchmarking
- Applied algorithmic principles to solve problems efficiently and improve code performance

## TECHNICAL SKILLS

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- **Programming Languages:** Python, C++, JavaScript, SQL,
- **Frameworks & Libraries:** Flask, Django, React, Node.js, NumPy, Pandas
- **Specializations:** Data Structures & Algorithms, Object-Oriented Programming (OOP), CompTIA Sec+
- **Tools:** GitHub, Git, Firebase