

Toya Okey-Nwamara

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EDUCATION

University of North Carolina at Charlotte

Master of Science in Cybersecurity (GPA 4.0)

University of North Carolina at Charlotte

Bachelor of Science in Computer Science (GPA 3.9)

Aug 2024 – May 2026

Charlotte, NC

Aug 2022 – Dec 2025

Charlotte, NC

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, TypeScript, HTML, CSS, Lua, Bash, MongoDB

Frameworks: React, Tailwind, JUnit, Express, FastAPI

Tools: Git, Wireshark, Nmap, OWASP ZAP, BURP, Autopsy, FTK Imager, Microsoft 365

CERTIFICATIONS

CompTIA Security+

EXPERIENCE

Tech Fellow

CodePath

Jul 2025 – Present

Remote

- Initiated weekly interview prep labs for computer science students, focusing on data structures
- Led dynamic breakout sessions to promote collaboration and encourage active student participation
- Designed and facilitated hands-on coding drills, reinforcing best practices in debugging and efficiency

Lead Instructional Assistant

University of North Carolina at Charlotte

Jan 2023 – Present

Charlotte, NC

- Instructed a diverse student body of 1000+ in crucial object-oriented programming concepts
- Coordinated a team of instructional assistants, driving consistency in agile-style peer instruction
- Co-developed automated spreadsheets using the Canvas API reducing grading time by 20%

Technology Consulting Intern

Protiviti

May 2025 – Aug 2025

Charlotte, NC

- Performed IT risk and cybersecurity assessments, reducing vulnerabilities by 15%
- Mapped NIST controls to cloud frameworks (IaaS/PaaS/SaaS) to support security gap analyses
- Supported audits and compliance reviews under NIST, ISO 27001, and SOC 2

Undergraduate Research Assistant

University of North Carolina at Charlotte

Aug 2023 – Dec 2024

Charlotte, NC

- Collaborated on research methods for underrepresented computer science communities
- Initiated recruitment for central communication enhancing coordination and information flow
- Interviewed 20+ digital forensics professionals in analyzing cybersecurity tools

PROJECTS

EcoCommute | *React, TypeScript, Tailwind CSS, FastAPI, SQL

Apr 2025

- Built a commute optimizer for eco-friendly routes using real-time travel and emissions data
- Designed RESTful endpoints for simulation mode and AI-driven recommendations

Restaurant API | *FastAPI, Python, SQL

Mar 2025

- Designed REST endpoints with validation; achieved 95% unit test coverage with Pytest
- Developed modular MVC architecture for scalability, streamlining backend workflows
- Implemented CI checks and logging for faster debug cycles; reduced bug reproduction time by 30%

Interactive CS Textbook | *PreTeXt, HTML, Python, Java

Jun 2024

- Migrated and extended an open-source Runestone textbook to XML-based PreTeXt
- Converted RST content to PreTeXt format with coding challenges and auto-graded assessments

LEADERSHIP & INVOLVEMENT

Alpha Omega Epsilon - Beta Kappa

Secretary

May 2024 – Apr 2025

- Automated Excel trackers and forms, increasing compliance with requirements by 50%
- Led in drafting and revising chapter bylaws for improved clarity and structure