

Tracey Kayembe Kamwimbi

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EDUCATION

Northern Kentucky University

Bachelor of Science in Information Technology, Information Security Minor

Highland Heights, KY

Expected Dec. 2026

- Relevant Coursework: Scripting (Python), Intro. to Web Development, Cybersecurity Analysis I, Cybersecurity Fundamentals, Database Management, Linux System Administration, Information Security Management

EXPERIENCE

Undergraduate Research Assistant

Northern Kentucky University – Information Systems

Highland Heights, KY

Jun. 2025 – Jul. 2025

- Collaborated with a faculty mentor and fellow researchers to analyze behavioral and physical activity data from over 2,700 participants
- Identified key risk indicators for problematic internet use among youth and built predictive models using Python and machine learning

Teacher Assistant

CINSAM STEM Camp – Northern Kentucky University

Highland Heights, KY

Jul. 2025 – Jul. 2025

- Facilitated hands-on STEM learning experiences for students in grades 3–12, focusing on cybersecurity and data privacy topics
- Taught fundamental concepts including data privacy, social engineering, and privacy-enhancing technologies, and the distinction between privacy and security

Patient Registration Specialist

St. Elizabeth Healthcare

Florence, KY

Jun. 2024 – Mar. 2025

- Managed patient records and insurance information for a busy healthcare clinic, keeping all data accurate and secure in line with patient privacy laws

PROJECTS

TasteTape | VictorHacks (24-Hour Hackathon)

Apr. 2026

- Designed and developed a social movie discovery backend within a 24-hour hackathon time limit, collaborating with a team of two
- Integrated third-party APIs (Gemini, TMDb, Open Library) to generate personalized recommendations based on MongoDB data
- Won Best Use of Gemini and Best Use of Vultr

Email Predictor | Python, Scikit-learn, Pandas

Feb. 2026 – Mar. 2026

- Developed a text classification system as a Research Assistant for the Information Systems department, accurately sorting 20,000+ documents into 20 distinct newsgroups using Scikit-learn and Pandas

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML, CSS, React, Node.js

Cloud & Virtualization: AWS, VirtualBox, VMware, Microsoft 365

Operating Systems: Linux (Ubuntu, Kali), Windows 11

Certifications: AWS Educate – Getting Started with Compute

LEADERSHIP & ACTIVITIES

Secretary Officer

Aug. 2024 – Present

WiCyS (Women in Cybersecurity) – Outstanding Contributor Award, College of Informatics

- Maintained weekly meeting attendance, reminders, and summaries for the chapter
- Participated in 20+ PicoCTF cybersecurity challenges, solving hands-on exercises in cryptography, forensics, reverse engineering, and web exploitation

Secretary Officer

Aug. 2024 – Present

ACM-W (Association for Computing Machinery Women in Computing)

- Promoted networking opportunities, supported members' professional development, and facilitated events for growth in computing fields

Study Abroad Ambassador

Sep. 2025 – Present

Northern Kentucky University

- Coordinated and presented to Underclassman Outreach to promote diverse study abroad program locations and scholarship opportunities