Harris K. Musungu

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EDUCATION

Ashland University | Ashland, OH   **August 2022 – May 2024**
Bachelor of Science in Computer Science, Cybersecurity   GPA: 3.77
Rochester Institute of Technology | Rochester, NY   **Expected May 2026**
Bachelor of Science in Computer Science, Cybersecurity   GPA: 3.77
Relevant Coursework: Data Structures and Algorithms, Windows Security, Network Security, Physics II, Calculus II, Cyber Ethics

TECHNICAL SKILLS

Programming Languages: Java, Python, C
Software: Wireshark, Nmap, Visual Studio, Eclipse, Git, Command-Line, ANTLR, Kali Linux, PowerShell, Figma, Jupyter
Frameworks & Libraries: Scikit-learn, SQLite

PROJECTS AND PARTICIPATIONS

The Ohio State University Hackathon HackOHIO | *Figma, VS Code, Power Point*   **October 2023**
- Designed and developed an innovative navigation app to improve mapping and directions on collegiate campuses
- Utilized Java, GUI, Figma, and PowerPoint to create a user-friendly interface and compelling presentation

Professor Research Aid on KNN Algorithm | *Machine Learning, VS Code, Jupyter, Scikit-Learn*   **March 2023 – March 2024**
- Developed a KNN algorithm using Python and Scikit-learn libraries to distinguish between cancerous and benign tumors on the Cancer Wisconsin (Diagnostic) dataset
- Achieved 96% sensitivity and 92% specificity in accurately classifying tumor samples
- Collaborated with a professor to enhance the algorithm's performance and explore potential real-world applications

Phishing Detection Model Using Machine Learning | *Machine Learning, Figma, PowerPoint*   **January 2023 – Present**
- Developing a machine learning model integrated into a web extension to detect phishing emails for enhanced security
- Collaborating with software engineers to ensure seamless integration, prioritizing user experience and security best practices
- Utilizing Python, TensorFlow, and NLP techniques to train model on large dataset of phishing and legitimate emails

WORK EXPERIENCE

Ashland University Writing & Communication Center | *Writing, Coaching, Communicating, Tutoring*   **January 2023 – Present**
Writing & Embedded Coach   Ashland, OH
- Bolstered academic writing proficiency for over 20 students across various disciplines through weekly coaching sessions, with a focus on supporting 5+ ESL students
- Partnered with faculty to develop strategies for augmenting campus-wide writing and communication skills, leveraging insights from direct student engagements

National Science Foundation | *ANTLR, Python, C, Command-Line, GitHub, VS Code, Java*   **Summer 2023; Summer 2024**
Undergraduate Research Intern   Cincinnati, OH
- Developed a security tool to identify and mitigate fault injection vulnerabilities in x86-64 Assembly and C code source files, improving system security
- Enhanced precision to 100% and recall to 98% across dataset by incorporating advanced pattern recognition algorithms

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow | *Leadership, Networking, Career Development*   **January 2024 – Present**
Career Preparation Fellow   Washington, DC
- Designated for an 18-month program focusing on leadership and technical skills through case studies, assignments, and industry leader conferences
- Participating in workshops and networking events to enhance professional growth and career readiness

National Cybersecurity Student Association | *Leadership, Community Building, Advertising*   **August 2023 – Present**
Vice President   Ashland, OH
- Led cybersecurity awareness campaigns and student orientations, boosting club membership by 20%, and fostering a strong cybersecurity community on campus
- Organized impactful events, including guest speaker sessions, and hands-on workshops, enhancing members' engagement and professional development

Association for Computing Machinery | *Leadership, Community Building, Teamwork*   **August 2023 – Present**
Secretary   Ashland, OH
- Managed finances, ensuring the successful execution of club events, projects, and competitions
- Streamlined fundraising efforts, securing sponsorships and boosting resources for club activities

ADDITIONAL SKILLS AND INTERESTS

Native French Speaker, Public Speaking, NSBE Member, Upsilon Pi Epsilon Member, ColorStack Member, CodePath Fellow, Content Creator (~400k followers / TikTok, YouTube), Interested in Open-Source Projects, entrepreneurship, seeking professional growth