

Peter Musembi Wambua

Resolute, goal-oriented cybersecurity individual experienced in ethical hacking, penetration testing, vulnerability analysis, network security, and security operations. Energetic, teachable, and technical-minded individual. I possess exceptional skills in scripting with Python and C, Red Team toolkits such as Metasploit and Burp Suite, and SOC tools like SIEM, EDR, and SOAR tools.

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Blog: <https://thecyberlearner.github.io/>

EXPERIENCE

Cyb3rk1math1 — CTF Player

July 2022 - PRESENT

- Contributed to CTFs with this award-winning team leading to a consistent top 4 placement in all CTF competitions participated in, showcasing expertise and teamwork skills in cybersecurity challenges.
- Specialized in penetration testing challenges, including web, Android, and boot2root, leading to a 90% success rate in solving challenges within these categories.
- Collaborated with team members to develop innovative solutions to problems, completing over 100 challenges across various categories, and demonstrating teamwork and problem-solving skills.

Hackerbro Technologies, Remote — Red Team Engineer intern

July 2023 - October 2023

- Conducted penetration testing simulations on over 15 systems, identifying and exploiting multiple vulnerabilities, thereby enhancing the organizations' cybersecurity resilience.
- Specialized in application security assessments, successfully identifying and remediating high-risk vulnerabilities in critical applications, reducing the organization's exposure to potential cyber threats.
- Generated comprehensive reports on penetration testing activities, highlighting over 10 key findings and recommendations, leading to over 20% improvement in the organization's overall security posture.

EDUCATION

Dedan Kimathi University of Technology — BSC in Computer Science

August 2020 - May 2024

- Did well in my degree achieving a second upper division
- Demonstrated leadership by founding the Cyber Security Club of Kimathi and leading technical sessions. An active member of the Google Developers Students Club.

ALX Africa Holberton School, — Software Engineering certificate

June 2021 - May 2022

- Learned Linux basics, C, Python, Git, and project collaboration.
- Learned web development using HTML, CSS, and JavaScript then manipulated the back-end with Python.

PROJECTS

Django Password Manager — <https://github.com/Wambuapeter/BadPass>

- A secure password manager implemented using Django and using the best security features

Undergraduates API — <https://github.com/Wambuapeter/undergradAPI>

- This is a flask API to provide undergraduates with mentorship and sponsorship programs

Airline project — <https://github.com/Wambuapeter/AirlineProject>

- This is an airline booking system I built on Java applets

SKILLS

- Penetration Testing and Vulnerability Assessment
- Security Operations - Log Monitoring and Events Investigation
- Active Directory and Wireless Penetration Testing
- Networking, Linux, Python Scripting
- Web Development and Security - Django
- API Development and Security - Flask

HUMAN SKILLS

- Project Management
- Communication Skills
- Problem-solving
- Leadership

Certifications

- Certified Network Security Practitioner(CNSP) - [Link](#)
- Practical Ethical Hacking(PEH) - [Link](#)
- Certified Threat Hunter by VTFoundation - [Link](#)