

PETER MUSEMBI WAMBUA

Nairobi, Kenya • +254714873020 • peterwambua025@gmail.com
[Github](#) • [LinkedIn](#) • [Twitter](#) • [Medium](#)

OBJECTIVE

Resolute, Goal-oriented cybersecurity student experienced and interested in ethical hacking, penetration testing, vulnerability analysis, network security, and security operations. Hard-working, energetic, teachable, and technical-minded individual. I possess exceptional communication and problem-solving skills as well as outstanding leadership. I also possess

- Experience in scripting languages including Python and C
- Excellent task management. Ability to prioritize and efficiently schedule my tasks
- Experience with security toolkits such as Kali Linux, Metasploit, and Burp Suite
- Experience with SOC tools like SIEM, EDR, and SOAR tools.

EDUCATION

Dedan Kimathi University of Technology, BSC in Computer Science

(August 2020 - Present)

- Third-year student of Dedan Kimathi University of Technology
- Technical sessions lead of the Cyber Security Club of Kimathi
- Google Developers Students Club Member.

TCM Security Academy, PEH

- Practical Ethical Hacking(PEH)
- Practical Network Penetration Testing training(PNPT)
- Practical Malware Analysis and Triage
- Windows and Linux Privilege Escalation for Beginners

ALX Africa Holberton School, certificate in Software Engineering

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

CERTIFICATIONS

- Practical Ethical Hacking(PEH)
- Threat Hunting certification by VTFoundation
- SOC member by letsdefend.io

EXPERIENCE

- **State Law Offices, On-site, Nairobi Kenya**

May, 2023 - July, 2023

Network Engineer Intern

→ Designing, implementing, and maintaining the network architecture in the Offices of the President and Attorney General

→ Implement network security. Prevent unauthorized access and potential threats

→ Provide Information Technology support to the staff

- **Hackerbro Technologies, remote**

July, 2023 - October, 2023

Red Team Engineer intern

→ Penetration testing. Simulating various real-life attack scenarios

→ Application Security

→ Reporting and debriefs on methods used, vulnerabilities discovered

- **Cyb3rk1math1**

July, 2022 - present

CTF Player

→ Participated in various CTF competitions with this award-winning team. Top 4 in all competitions participated in.

→ Handled challenges in all categories both blue team and red team, but specialized in penetration testing challenges(web, android, boot2root)

TECHNICAL SKILLS

- Penetration Testing and Vulnerability Assessments
- Security Operations
- Active Directory Penetration Testing
- Wireless penetration Testing
- Networking, Linux
- Python Scripting
- API Development and Security
- Web Development

SOFT SKILLS

- Project Management
- Communication Skills
- Problem-Solving
- Leadership

PROJECTS

I have been able to manage the following 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
- AirBnB Clone(https://github.com/Wambuapeter/AirBnB_clone)
This is a clone of Airbnb working on a Python-based console
- Airline project(<https://github.com/Wambuapeter/AirlineProject>)
This is an airline booking system built on Java applets

PUBLICATIONS

- CRACKING WPA NETWORKS WITH AIRCRACK-NG ([READ](#))
This is a publication I made on wireless penetration testing about using aircrack-ng to test the security of your Wi-Fi network.
- Pawn Kioptrix Level 1 ([READ](#))
This is a CTF write-up on a box I maintained root on.