Daniel Wamithi

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PROFESSIONAL SUMMARY

Adaptable and forward-thinking Computer Science graduate from the University of Embu with hands-on experience in networking, Cyber security, Web development, Data analytics and Customer support gained through an ICT Internship and attachment at the university of Embu. Skilled in network troubleshooting, configuration, and security protocols, with a proven ability to diagnose and resolve connectivity issues in high-demands environments. Proficient in setting up and maintain secure network infrastructures, managing user accounts and performing hardware maintenance. Proficient in C, C++, Java, Python, JavaScript, and experienced web development. Eager to join a dynamic team to leverage technical expertise and creativity in developing cutting-edge applications. I excel in identifying and resolving issues while upholding integrity and confidentiality.

Relevant Coursework: Computer Network, Network Security, Java Programming, C++, Data Structures, Object-Oriented Design, Database Management Systems, computer Organization & Architecture, Software Engineering and Project Management, Data Science

WORK AND EXPERIENCE

1. ICT INTERN   UNIVERSITY OF EMBU (DEC 2024)

- **Software & Hardware Management:** Install, update, and troubleshoot software and hardware, including assistive technologies for students with disabilities.
- **Network & Security Management:** Monitor network performance, implement security protocols, and ensure compliance with IT policies.
   User Support: Provided essential IT support, troubleshooting and repairing staff computers efficiently
- **User Support:** Provided essential IT support and repairing staff computers efficiently
- **Inventory & Resource Management:** Track and manage lab equipment, schedule maintenance, and ensure optimal resource allocation.
- **Lab Administration & Maintenance:** Oversee the daily operations of the computer lab, ensuring all systems are functional, secure, and well-maintained.

2 ICT ATTACHEE   UNIVERSITY OF EMBU (MAY 2024 – SEP 2024)

- **Network Troubleshooting**: Diagnosed and resolved network issues. Conducted comprehensive network analysis to identify and address connectivity problems across multiple computers.
- **User Support**: Assisted students and staff by troubleshooting software and hardware issues, ensuring minimal downtime in the computer lab
- **Security and Maintenance**: Performed routine security checks, installed antivirus software, and conducted OS installations to protect data integrity and secure lab infrastructure.
- **Hardware Management**: Performed hardware repair and maintenance tasks, including disassembling and reassembling computers, replacing keyboards, RAM, hard drives.
- **Network Configuration**: Configured network domains, user accounts, and access controls; set up Ethernet cabling and replaced faulty cables to maintain network integrity.

3 **HIGH SCHOOL COMPUTER TEACHER**

Kirirwa Secondary School   (Apr 2022 - Oct 2022)

Technical Guidance: Taught students basic networking principles, including network security basics, hardware setup, and troubleshooting methods. Assist students in troubleshooting computer issues and provide guidance on software and system configurations.

Student Project Success: Guided students in completing successful computer-related projects and competitions.

EDUCATION BACKGROUND

1. University of Embu
   - Bachelor of Science in Computer Science **(Second Class Upper Division)**
     Aug 2020 – Sep 2024
2. Kirirwa Secondary School
   - Kenya Certificate of Secondary Education (K.C.S.E) **(Grade B plain of 65 points)**
     Jan 2015 – Nov 2019

CERTIFICATION AND ADDITIONAL TRAINING

1. **Cisco Courses:** Networking Basics, Network Addressing and Basic Troubleshooting, Python Essentials and Ethical Hacking.
2. **Data Analytics & AI** – Proficient in Data Analytic tools like PowerBi and Excel.
3. **MERN Full Stack Developer**- Power Learn Project Academy (PLP)
4. **Udemy Courses:** DBM, Excel essentials, Website Design.
5. **Cybrary courses:** Foundational training in network security, threat detection, and defense mechanisms.

SKILLS

- **Networking and Security**: Network configuration, troubleshooting, cable termination, user account management, basic cybersecurity protocols.
- **Programming:** C, C++, Python, Java, JavaScript,SQL.
- **Web Development:** HTML5, CSS3, React, Angular, Node.js, Express.js
- **Databases:** MySQL, PostgreSQL, MongoDB.
- **Version Control:** GitHub, Microsoft office, Microsoft 365, Visual Studio, Android Studio, NetBeans, Eclipse and Wireshark
- **Data Analysis-** using python, Microsoft excel, PowerBi, Juypiter Notebook

LANGUAGES

. Kiswahili   . English

REFEREES

ELIJAH MWANGI   PAUL GITHINJI
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