

**CHINEDUM IRRECHUKWU**  
3 L Fallon Ct  
Baltimore, Maryland 21236  
Cell: 443-850-1445  
Email: [cirrechukwu@cbcmd.edu](mailto:cirrechukwu@cbcmd.edu)

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## **OBJECTIVE**

To obtain a position that will effectively utilize my knowledge of networking and network security to support an IT Infrastructure.

## **EDUCATION**

Towson University, Maryland

- *M.S., Applied Information Technology, 08/2009*
- *Post-Baccalaureate Certificate in Information Security and Assurance, 08/2009*

University of Maryland Baltimore County

- *B.S., Information Systems, 12/2004*

## **Certifications**

Cisco Certified Network Associate – CCNA

Red Hat Certified Systems Administrator (RHCSA)

Microsoft Certified Professional - MCP

CompTIA Certifications: A+, Network+, Security+ and Linux+

## **PROFESSIONAL EXPERIENCE**

**University Of Maryland University College (2010 – Present)**

### ***Cybersecurity Technical Specialist***

Cybersecurity specialist tasked with providing subject matter expertise, protecting UMUC's cyberlab assets and managing staff responsible for providing technical support to faculty and students of the cybersecurity department.

- Implemented and recommended security solutions in the cybersecurity lab.
- Performed troubleshooting within the cyberlab infrastructure.
- Participated in security assessments of the cyberlab
- Provided series of technical training sessions for cyberlab staff.
- Managed a centralized network directory structure within the cyberlab
- Acted as the highest point of escalation for cyberlab technical staff.

## **The Community College of Baltimore County (2007 – 2010)**

### ***Network Security Instructor***

Data Communications Instructor specifically providing high level hands on technical training to students seeking both an Associate Network Technology degree and/or seeking industry certification.

- Installed and configured FTP, TFTP, HTTP, NFS, SAMBA, Proxy, DNS and Syslog for instructional use.
- Backed up Cisco Router IOS image and configuration files to TFTP server.
- Configured and managed a Cisco PIX firewall
- Developed network technology curriculum with hands-on lab activities
- Taught Data Communication classes including but not limited to Networking , PC repair and Network Security classes
- Taught advanced TCP/IP concepts including Packet Analysis, Routing, Subnetting, and Classless Interdomain Routing (CIDR)
- Taught technologies and best security practices used to ensure the confidentiality, integrity and availability of Information
- Taught concepts of various security technologies and their uses including Firewalls, Intrusion Detection and Prevention Systems(IDS/IPS), Honeypots, Public Key Encryption, Virtual Private Networks (VPN) and IPSEC.
- Taught attacks used in compromising networks and methods for risk mitigation.

## **The Community College of Baltimore County (2001 – 2007)**

### ***Network+ Certification Instructor***

Instructor for the Workforce and Technology Center's training program. Prepared individuals with disabilities to pass CompTIA's Network+ certification exam and provide job readiness skills for full time employment.

- Provided a learning environment and adapted curriculum to meet the needs of individuals with multiple disabilities
- Installed, maintained and supported a Windows NT domain for user account and resource management
- Implemented 802.11b/g wireless LAN with MAC filtering and WPA security
- Implemented backups and fault tolerance measures for the safety of instructional data
- Implemented RAID on servers used in Lab environment
- Configured proxy services for centralized but controlled Internet connection sharing
- Performed troubleshooting on Ethernet network using various tools such as cable testers, tone generators, tone locators and loop back plugs.
- Ensured perimeter security for the network including firewall maintenance and configuration
- Student Outcomes - achieved 98% certification pass rate on CompTIA's Network+ exam since 1999

**Technician/Aide**; The School of Applied and Information Technology; (1999-2001)  
Workforce and Technology Center

Responsibilities included supporting instructional staff and providing assistance to students for the A+ and Network+ training programs.

- Supervised and monitored students in two labs/classrooms
- Installed and monitored an Ethernet network
- Installed, maintained and performed troubleshooting in a Windows NT domain
- Responsible for maintenance, repair and upgrade for 50 computer systems

### **TECHNICAL SKILLS**

- Experienced with network design, installation and troubleshooting
- Experienced with Route Summarization, Variable Length Subnet Masking (VLSM)
- Familiar with the Routing protocols such as RIP, OSPF and EIGRP
- Experienced with Wireless LAN installation and configuration
- Detailed knowledge of TCP/IP communication and Protocols
- Experienced with the installation and configuration of application layer services such as NFS,FTP, HTTP,TFTP, Proxy, and DNS
- Familiar with vulnerabilities inherent in networked communication and the tools and methods used to exploit them.
- Familiar with security best practices used in mitigating risks posed by existing vulnerabilities
- Familiar with various security tools including but not limited to Nmap, Wireshark, Hping, Netcat, Nessus and Cain and Abel.
- Experienced with NAT/PAT configuration.

### **TECHNICAL SKILLS (Continued)**

- Experienced with Logical Volume Management (LVM) and RAID configuration
- Knowledge of Windows domains and Active Directory
- Experienced with Windows and Linux OS installation, configuration and troubleshooting
- Familiar with proper firewall configuration using the PIX firewall and Open Source firewalls such as SmoothWall and Pfsense.
- Knowledge of NIST publications and FISMA Publications
- Knowledge of Incident Response procedures
- Familiar with SQL and database management systems including MySQL
- Familiar with the C programming language
- Familiar with Microsoft Office Suite

**References Furnished Upon Request**