# Elijah T. Iverson

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## Certification:

AWS Certified Cloud Practitioner                                             ID: M3468L5JHJR41PGW

## Work Experience:

**Offensive Security –** Automation Engineer Intern                          January 2023 – May 2023

- Designed a cloud environment as code with Debian systems and implement a containerized distributed storage solution called Ceph to maximize performance and capacity.
- Knowledge of Network File Systems and Meta Data Servers to optimize data integrity and access while utilizing Hard Drives as a Scalable Unit.
- Provided documentation for the cloud environment and storage solution.

## Education:

**Southeast Missouri State University** – Cape Girardeau, MO                 Fall 2019 – May 2023

Bachelor of Science in Cybersecurity / Computer Science & Computer Networking Minors     GPA: 3.77

### Experience:

Programming:
- Python, Golang, Java, C, SQL
- Automation Scripting, OOP Structure
- Version Control (git) & Unit Testing

Networking:
- Stateful and Stateless Firewalls & NGFW
- pfSense, Palo Alto, Iptables
- CCNA (3 classes)

Security Concepts:
- STRIDE, MITRE
- Incident Response
- ISO/IEC 27000 Series

System Administration
- Windows, MacOS, Linux
- IDS/IPS (Snort, Security Onion)
- Containers (Podman, Docker)

### Cyber Defense Team:

- Computer Networking Specialist                          2020-2023 Academic Year
  - Utilize Palo Alto Firewall to defend a network (consisting of 4 subnets and 9 virtual machines) from a group of professional penetration testers, while completing business objectives and maintain uptime SLAs.
  - Create stateful firewall rules for all machines to prevent attackers pivoting and contain attackers in the case of compromise.
  - Implement business security objectives standards like DDoS protection, QoS policies, and VPNs.

- Team Captain/Co-Captain                                 2022-2023 Academic Year
  - Lead the team by training Windows and Linux networking and security concepts, Active Directory domains, DNS, Firewalls, Syslog, and ecommerce web applications/web mail.

## Projects:

Home lab: Firewall, IDS/IPS, Active Directory, Domain Controller, Syslog Service, and Unix Endpoints.