Gilbert Kittrell

Phoenix, AZ | (513) 400-0030 | gkittrell84741@uat.edu

GitHub | LinkedIn

PROFESSIONAL SUMMARY

Results-driven Network Engineering student with 4.0 GPA pursuing B.S. in Network Security. Proven expertise in Cisco networking infrastructure, network automation with Python, and secure network design. Hands-on experience designing multi-site topologies with VLANs, BGP, OSPF, and implementing firewall security policies. Skilled in both enterprise network architecture and modern web development technologies including Three.js and React. Seeking network engineering internship to leverage technical skills and contribute to enterprise network optimization.

EDUCATION

University of Advancing Technology — Phoenix, AZ

Bachelor of Science in Network Security | Expected Graduation: 2/2027 | **GPA: 4.0**

Honors: President's List – Spring 2025, Summer 2025 | Dean's List – Fall 2024

TECHNICAL SKILLS

Networking & Infrastructure:

Cisco IOS, Routers & Switches, VLANs, Subnetting (IPv4/IPv6), TCP/IP, BGP, OSPF, EIGRP, STP, EtherChannel, DNS, DHCP, LAN/WAN, Network Troubleshooting, Routing Protocols, Network Architecture, Network Design

Security:

Firewall Configuration (Cisco ASA, Palo Alto), VPN (IPSec, SSL), ACLs, Network Security, Wireshark, Packet Analysis, Network Monitoring, Security Protocols

Automation & Scripting:

Python, Netmiko, Network Automation, Paramiko, JSON, API Integration, Git, Version Control

Development & Tools:

JavaScript, Three.js, React, HTML/CSS, Packet Tracer, Linux (Ubuntu, CentOS), Windows Server, Protopie, Miro, VS Code, Command Line Interface

Soft Skills:

Technical Documentation, Cross-functional Communication, Team Collaboration, Problem-solving, Time Management, Customer Service, Adaptability

TECHNICAL PROJECTS

Enterprise Network Design & Simulation

Cisco Packet Tracer

- Designed and implemented secure multi-site network topology supporting 500+ users across 3 locations with redundancy planning
- Configured VLANs for network segmentation, reducing broadcast traffic by 40% and improving security posture
- Implemented BGP routing protocol for inter-site connectivity and OSPF for internal routing optimization
- Deployed firewall rules and ACLs to control traffic flow and prevent unauthorized access
- Documented network topology and standard operating procedures for maintenance and troubleshooting

Network Automation with Python

Netmiko, Paramiko

- Developed Python automation scripts using Netmiko to configure multiple Cisco devices simultaneously, reducing manual configuration time by 60%
- Created automated backup solution for network device configurations ensuring 99% reliability

- Implemented network monitoring scripts to track device status and generate alerts for network anomalies
- Utilized Paramiko for SSH-based device management and configuration deployment

Interactive 3D Web Applications

Three.js, JavaScript, React

- Built immersive 3D visualization projects using Three.js demonstrating strong programming fundamentals
- Developed interactive solar system simulation with accurate orbital mechanics and real-time rendering
- Created responsive user interfaces with React for seamless user experience across devices
- Implemented performance optimization techniques achieving 60fps rendering on standard hardware

Home Lab & System Administration

- Built and configured custom desktop systems from hardware selection through OS installation
- Deployed home lab environment with Windows Server and Linux systems for hands-on networking practice
- Configured LAN services including DHCP, DNS, and file sharing protocols
- Implemented network monitoring tools to track performance metrics and identify bottlenecks

AR/VR Support Application Prototype

Protopie, Miro

- Designed conceptual immersive technical support workflow screens for AR/VR environment
- Created interactive prototypes demonstrating innovative approaches to network troubleshooting visualization
- Collaborated on user experience design focusing on intuitive navigation and accessibility

PROFESSIONAL EXPERIENCE

Bartender & Server

Fate Brewing Co. | Phoenix, AZ | 2023 – Present

- Managed high-volume customer service operations demonstrating strong multitasking and time management skills
- Operated POS systems and handled payment processing with 99.9% accuracy
- Resolved customer issues professionally maintaining high satisfaction ratings
- Collaborated with team members to optimize service workflow during peak hours

Bartender
Sir Vesa's Airport | Phoenix, AZ | 2023 – Present

- Delivered customer service in fast-paced TSA-compliant airport environment
- Managed cash handling, transaction processing, and daily closing procedures
- Maintained composure under pressure while serving diverse clientele

Bartender
Wally's | Phoenix, AZ | 2022 – 2023

- Prepared beverages efficiently while maintaining inventory management
- Ensured customer satisfaction through attentive service and problem resolution

Server
My Neighbor Felix | Phoenix, AZ | 2020 – 2022

- Handled food and beverage orders in high-volume, fast-paced restaurant environment
- Demonstrated excellent communication skills working with diverse customer base

Marketing Sales Representative
HomeAdvisor | Remote | 2019 – 2020

- Sold marketing packages to small business clients demonstrating technical product knowledge
- Onboarded new clients and provided ongoing technical support
- Exceeded monthly sales quotas through consultative selling approach

Logistics Broker
TQL | Cincinnati, OH | 2016 – 2018

- Coordinated complex freight shipments requiring strong organizational and communication skills

- Negotiated pricing and managed vendor relationships
- Utilized logistics software systems for shipment tracking and documentation

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

In Progress: CompTIA A+ (Expected 2025)

In Progress: CompTIA Network+ (Expected 2025)

Completed: Cisco Packet Tracer Network Simulation Training

Completed: Python for Network Engineers (Self-study)

ADDITIONAL INFORMATION

Areas of Interest: Network Security, Cloud Networking (AWS, Azure), SD-WAN, Network Automation, Cybersecurity, Web Development

Professional Attributes: Fast learner, detail-oriented, proactive problem solver, strong work ethic, adaptable to new technologies