



Arlo Murphy

Associate Network Engineer

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SUMMARY

Detail-oriented Associate Network Engineer with a solid foundation in network configuration and troubleshooting. Proven experience supporting high-performance network infrastructures for educational institutions. Demonstrated ability to work in team environments while delivering exceptional customer service. Skilled in managing network monitoring tools and performing routine diagnostics to ensure optimal performance. Eager to expand technical expertise through continuous learning and professional development opportunities. Proficient in installing, configuring, and maintaining LAN/WAN technologies while effectively communicating with customers to resolve issues efficiently.

EXPERIENCE

Network Engineer Intern

University Project 📅 June 2025 - May 2026 📍 Blacksburg, VA

Assisted in the installation and configuration of campus LAN/WAN systems, providing reliable connectivity for over 500 users. Involved in daily operational activities focused on monitoring and troubleshooting networking systems. Collaborated closely with project teams, enhancing functionality, security, and performance across university networks.

- Installed and configured campus networking equipment, ensuring seamless internet access and support for staff and students.
- Conducted regular performance evaluations using SolarWinds, proactively identifying potential issues leading to enhanced uptime.
- Collaborated with peers to troubleshoot and resolve outages promptly, achieving significant downtime reduction.
- Documented configurations and procedures, improving training efficiency for new interns.
- Participated in project meetings focused on modernizing network infrastructure, gaining exposure to current industry practices.
- Engaged in workshops pertinent to advanced networking topics, steadily broadening technical knowledge.

Network Systems Analyst

Academic Research 📅 September 2024 - May 2025 📍 Blacksburg, VA

Analyzed network traffic patterns in a collaborative research project aimed at optimizing university bandwidth usage. Gathered valuable insights by utilizing Wireshark, contributing meaningfully to ongoing improvements in network efficiency.

- Utilized Wireshark for detailed analysis of network congestion during peak hours, formulating strategies for optimization.
- Recommended configuration modifications based on analytic data, resulting in improved overall bandwidth distribution.
- Presented research outcomes at the Technology Symposium, developing presentation skills and networking within the field.
- Maintained proactive engagement in peer research, providing feedback that fostered collective academic growth.
- Pursued self-study to stay abreast of evolving networking trends, encompassing areas including network security.
- Reviewed fellow proposals critically, facilitating interdisciplinary collaboration among students.

LEADERSHIP & AWARDS

- Dean's List, Virginia Tech, 2024-2026
- Outstanding Project Award, Network Optimization Research, 2025

STRENGTHS



Problem Solving

Identified root causes of network disruptions quickly, showcasing strong analytical thinking before proposing solutions.



Team Collaboration

Consistently worked alongside teams on complex projects; peers often relied on input during brainstorming sessions.



Customer Support

Delivered exceptional responses to network inquiries from faculty and students, building trust through effective communication.



Continuous Learning

Actively sought knowledge on new technologies through workshops, emphasizing personal growth paired with industry advancements.



Documentation Skills

Created comprehensive guides on network setups that facilitated smooth onboarding; recognized for clear and precise explanations.

SKILLS

Network Configuration

Troubleshooting

LAN/WAN Technologies

Routing Protocols

Customer Service

Network Monitoring Tools

Technical Documentation

