

Lucas Munoz

Network & Cloud Engineering Intern

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Hiring Committee
Summit Defense Research Partnership
Colorado Springs
CO

Dear Hiring Committee:

I am applying for the Network & Cloud Engineering Intern position with Summit Defense Research Partnership. My coursework and supervised lab work have given me practical experience with AWS, Cisco networking, Linux and Windows systems, infrastructure documentation, and first-level troubleshooting. I am especially interested in the role because it combines hands-on infrastructure work with careful procedures, clear escalation, and support for research and mission-focused projects.

In the Pikes Peak University Network Lab, I built and tested a segmented network using VLANs, IPv4 addressing, Cisco switches, wireless access points, and TCP/IP diagnostics. I also provisioned AWS sandbox resources with least-privilege IAM policies, tagging, CloudWatch logging, and cost-tracking notes. For a small development environment, I wrote a Terraform configuration, reviewed the plan with an instructor, and documented rollback steps before deployment. Those projects taught me to make changes deliberately and leave behind records that another person can use.

My support experience has strengthened the customer-service and troubleshooting side of this work. During my technology support practicum, I assisted students, faculty, visitors, and event teams with Windows, Linux, wireless, printing, and connectivity problems. I used command-line tools and basic network tests to investigate DNS, DHCP, authentication, and cabling symptoms, then escalated issues that required broader access. I also turned recurring questions into knowledge articles and checklists and recorded diagnostic evidence without exposing account or device information.

I would bring a careful, teachable approach to your team. In the Cyber Defense Lab, I reviewed an AWS test environment for exposed storage, excessive permissions, missing tags, and incomplete logging, while clearly separating confirmed findings from items requiring technical-lead approval. I am a U.S. citizen, have experience following role-based access and data-handling requirements, and am prepared to work on site during the academic term. I would welcome the opportunity to discuss how my network, cloud, and documentation experience could support the Partnership's supervised infrastructure work.

Thank you for your consideration. I look forward to hearing from you.

Sincerely,

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