



Ellis Atkinson

Wireless Communications Engineer

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SUMMARY

Driven Wireless Communications Engineer with two years of specialized experience in analyzing and designing wireless networks. Expertise includes TCP/IP networking and OSI stack fundamentals, complemented by knowledge in emerging technologies such as 5G networks and edge computing. Excels in developing lab testbeds for proof-of-concept experiments, validating new technologies effectively. Consistently collaborates with diverse teams to address performance challenges within tactical environments. A sincere commitment to continuous learning enhances adaptability and innovation in dynamic settings. Eager to contribute skills and knowledge at Innovative Solutions Group.

EXPERIENCE

Wireless Communications Engineer

Innovative Solutions Group 📅 June 2024 - Present 📍 Arlington, VA

Lead efforts on the design and analysis of wireless communication networks, focusing on innovations and meeting operational requirements. Collaborate closely with cross-functional teams to enhance network capabilities and reliability. Responsible for building and testing lab prototypes, ensuring new technologies align with organization's standards.

- Conduct in-depth research on wireless communications systems, providing insights to solve complex engineering problems.
- Design, construct, and implement lab-based test environments that expedite validation of cutting-edge wireless technologies.
- Evaluate system performance during field trials, ensuring adherence to established objectives and stakeholder expectations.
- Model network behavior in tactical settings utilizing simulation tools to predict outcomes under various scenarios.
- Work collaboratively with teams on modernization initiatives, leading integration of innovative solutions to improve overall project delivery.
- Present analytical findings and technical recommendations clearly, aiding in informed decision-making among stakeholders.

Junior Network Engineer

Tech Dynamics 📅 July 2022 - May 2024 📍 Fairfax, VA

Supported development of robust network infrastructures, specializing in both wired and wireless systems. Gained first-hand experience working with tactical networks in real-world settings while enhancing personal aptitude for current networking methodologies.

- Assisted in maintaining network architectures, focusing on the integration of efficient communication systems.
- Participated in tactical networking implementations, gaining valuable exposure to successful 5G and mesh networking applications.
- Conducted performance assessments, compiling evaluations to aid management strategy in network upgrades.
- Played a role in designing and delivering experimental setups, ensuring alignment with security protocols.
- Collaborated effectively with software teams to integrate cybersecurity measures into existing network frameworks.
- Continued professional growth through engagement in training programs on upcoming technologies and best practices.

LEADERSHIP & AWARDS

- Awarded 'Employee of the Month' for exceptional contributions to enhancing team efficiency and innovation at Innovative Solutions Group.

STRENGTHS

🔍 Analytical Skills

Proven ability to assess complex systems, identifying areas for improvement and strategic enhancements in wireless technologies.

👥 Collaboration

Illy partnered across disciplines, leading projects toward common goals and garnering insights from varied perspectives.

💬 Technical Communication

Effective at articulating complex technical concepts clearly, ensuring stakeholders grasp critical information and findings.

💡 Problem-Solving

Sharp focus on tackling challenges proactively, blending innovation with existing processes for optimized results.

🎓 Continuous Learning

Strong commitment to personal and professional growth, actively seeking out new information on evolving networking methods.

SKILLS

TCP/IP Networking OSI Model

Wireless Networking

5G Technologies Network Security

Lab Testing Network Simulation

Technical Communication

Team Collaboration

Edge Computing

Tactical Networks

Network Encryption

Cybersecurity Measures

Operational Deployment

Automation Technologies

LANGUAGES

English Native

Spanish Intermediate

MY CAREER

3.9
YEARS

● Wireless Communications
Engineer at Innovative Solutions
Group (2.1 Years)

● Junior Network Engineer at
Tech Dynamics (1.8 Years)

- Recognized by Tech Dynamics for outstanding teamwork and success in achieving project milestones ahead of schedule.

EDUCATION

Bachelor's Degree in Computer Engineering

University of Virginia 🎓 GPA: 3.8 📅 2024 📍 Charlottesville, VA

Coursework: Networking, Operating Systems, Security Protocols, Signal Processing

CERTIFICATIONS

- Cisco Certified Network Associate (CCNA) 📅 2025
- CompTIA Security+ 📅 2025

TECHNICAL SKILLS

- **Networking Protocols:** TCP/IP, OSI, BGP, OSPF
- **Wireless Technologies:** 5G, Wi-Fi, Mesh Networks
- **Network Security Tools:** Firewalls, Intrusion Detection, VPNs
- **Simulation Tools:** MATLAB, NS3, OMNeT++
- **Communication Protocols:** HTTP, MQTT, UDP
- **Testing Frameworks:** JMeter, Postman, LabVIEW
- **Project Management Tools:** Trello, Asana, JIRA
- **Coding Languages:** Python, C++, Java
- **Database Systems:** MySQL, Oracle, MongoDB
- **Monitoring Tools:** Wireshark, Nagios, Grafana

PROFESSIONAL AFFILIATIONS

- Member of IEEE (Institute of Electrical and Electronics Engineers), staying updated on industry trends and advancements.
- Active participant in local engineering meetups, fostering community and professional relationships.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST