

# Ellis Atkinson

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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

June 2024 - Present

Innovative Solutions Group

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

July 2022 - May 2024

Tech Dynamics

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

## EDUCATION

### Bachelor's Degree in Computer Engineering

2024

University of Virginia GPA: 3.8

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

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## SKILLS

- TCP/IP Networking
- Network Security
- Team Collaboration
- Cybersecurity Measures
- OSI Model
- Lab Testing
- Edge Computing
- Operational Deployment
- Wireless Networking
- Network Simulation
- Tactical Networks
- Automation Technologies
- 5G Technologies
- Technical Communication
- Network Encryption

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## 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.

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## LANGUAGES

- English (Native)
- Spanish (Intermediate)

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## ADDITIONAL INFORMATION

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

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## REFERENCES

AVAILABLE ON REQUEST