

Zisimos Amprazis

Professional Summary

Informatics and Computer Engineer (MEng) with a strong academic focus on **Network Security** and **Industrial WSNs**. Developed a solid foundation in analyzing network protocols, cryptographic standards, and mitigation strategies for cyber threats. Combining technical engineering principles with a disciplined approach to problem-solving, seeking to leverage my engineering background and analytical mindset as a Junior SOC Analyst or Security Engineer within a forward-thinking technology firm.

Education

Integrated Master of Science (MEng) in Informatics and Computer Engineering 2019 – 2025
University of West Attica, Athens, Greece

Diploma Thesis: *Wireless Sensor Networks with Applications in Industry: Design Principles, Technical Approaches and Challenges*

- Analyzed security mechanisms and authentication protocols to mitigate network-layer attacks.
- Evaluated industrial communication standards including ZigBee and LoRaWAN.
- Researched resilience techniques against signal interference and energy management strategies.

Military Service

Hellenic Army — Communications & Operations Center 2025 – 2026

- Ensured reliable network connectivity and followed strict data handling and communication protocols.
- **Exercise "PARMENION-25":** Participated in the large-scale National Interbranch Exercise on a 24-hour realistic basis; practiced the design and conduct of interdisciplinary operations and tested the national crisis handling system.

Technical Skills

- **Cyber Security:** Network Forensics (Wireshark), Threat Mitigation (DoS/DDoS), Cryptography, Authentication Protocols, Intrusion Detection Concepts.
- **Networking:** TCP/IP, Routing & Switching, Cisco Systems, GNS3, Industrial WSN Protocols.
- **Programming & Data:** C, C++, Python, MATLAB, Java (5+ Years Academic Exp.), DBMS (MySQL, Oracle).
- **Languages:** Greek (Native), English (C2 Proficiency).

Technical Projects (Academic)

- **Network Traffic Analysis:** Utilized Wireshark to analyze protocol handshakes, identify anomalies, and understand packet-level communication.
- **Network Infrastructure (GNS3/Cisco):** Designed and configured virtual network topologies, implementing VLANs, OSPF routing, and Access Control Lists (ACLs).
- **Network Programming (C):** Developed client-server architectures using socket programming to understand data exchange and session security.
- **Signal Analysis (MATLAB):** Modeled and analyzed system performance and signal resilience against interference.

Professional Competencies

- **Operational Agility:** Quick thinker, adaptable in fast-paced environments, and disciplined under pressure.
- **Additional Info:** Driving Licence Category B (Car).

References

Available upon request.