

Griffin A. Green

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PROFESSIONAL SUMMARY

Systems engineering and technical operations professional with 3+ years leading mission-critical communications and cyber operations across shipboard and fleet environments. U.S. Navy officer experienced in systems integration, readiness, risk, troubleshooting, technical documentation, and cross-functional execution. Builds practical cyber-physical systems that combine embedded hardware, backend software, telemetry, and decision-support dashboards.

PROFESSIONAL EXPERIENCE

United States Navy, Various Locations

2022 - Present

Communications Officer / Cyber Officer / Key Management Account Manager, USS Gunston Hall, Norfolk, VA

Jan 2025 - Present

- Lead a 17-person communications and cyber division, previously staffed at up to 28, responsible for secure and unclassified communications, cyber readiness, troubleshooting, training, inspections, and operational support.
- Manage readiness across NIPR, SIPR, CENTRIXS, tactical radio, cryptographic key management, and shipboard network systems in a high-availability environment.
- Rebuilt an underperforming secure-vault and accountability program by restoring procedures, documentation control, ownership, training, and audit readiness.
- Sustain aging infrastructure through root-cause troubleshooting, external coordination, corrective actions, and repeatable workflows; improved reliability and reduced recurring communications downtime.
- Translate technical status into decision-ready briefings and improve continuity through SOPs, checklists, trackers, turnover packages, and standardized issue management.

Joint Fleet Communications Watch Officer, NCTS Bahrain / JFTOC, Manama, Bahrain

Jun 2023 - Jan 2025

- Supported fleet-level communications and cyber operations across a Middle East area of responsibility with high-availability and multinational coordination requirements.
- Helped coordinate support for 70+ personnel and approximately \$793M in mission-critical systems, infrastructure, and operational assets.
- Monitored SHF, EHF, UHF, DISA, IT-21 NIPR/SIPR, and security-operations capabilities while coordinating issue resolution across U.S., joint, coalition, contractor, and international stakeholders.
- Triaged outages and anomalies in a high-tempo watchfloor, translating technical conditions into operational impact, mitigation options, and leadership updates.

SELECTED ENGINEERING PROJECTS

Secure IoT Environmental Monitoring Platform

2026 - Present

- Built a multi-node ESP32 platform with temperature and humidity sensing, OLED status, local alerts, Wi-Fi telemetry, FastAPI ingestion, SQLite persistence, browser dashboarding, and OTA firmware updates.
- Implemented API-key authentication, device allowlisting, input validation, secrets separation, backend-controlled thresholds and reporting intervals, persistent configuration, and repeatable test evidence.

Mission Assurance Dashboard

2026

- Built a Python and Streamlit decision-support dashboard combining requirements, integration tests, anomalies, subsystem health, risks, corrective actions, and human-gated Go / Conditional Go / No-Go logic.
- Translated technical readiness data into reviewable decisions, ownership, decision logs, and corrective-action visibility.

Secure Infrastructure Homelab

2026 - Present

- Built and administer a virtualized lab using Proxmox, OPNsense, WireGuard, and Linux to practice firewalling, secure remote access, virtualization, service deployment, and systems integration.

EDUCATION & QUALIFICATIONS

University of Illinois Urbana-Champaign, Champaign, IL

2018 - 2021

B.S. Information Systems & International Business, High Honors | GPA: 3.78

Training & qualifications: NVIDIA Deep Learning Fundamentals; Navy Information Management & Cybersecurity Manager Course; Key Management Account Manager Training; Combat Systems Officer of the Watch qualified

Language: Spanish - Professional Working Proficiency

TECHNICAL SKILLS

- Systems & operations: Systems integration, mission assurance, requirements and verification, root-cause troubleshooting, risk and corrective-action management, process standardization, technical documentation, stakeholder briefings, and cross-functional leadership.
- Infrastructure & communications: Proxmox, OPNsense, WireGuard, Linux, IP networking, NIPR, SIPR, CENTRIXS, SHF, EHF, UHF, KMI, cryptographic accountability, RF, and tactical communications.
- Software & embedded: Python, C++, FastAPI, SQLite, Streamlit, ESP32, Git, REST APIs, HTML/JavaScript, IoT telemetry, data logging, and dashboards.