

DIMITRIOS PAPADOPOULOS

KEY SKILLS &
EXPERTISE

- **Technical Integration & Development**
 - *Engineered a tactical system over UHF Data Link support for naval helicopters with secure data transmission capabilities, integrating TCP/IP protocols with encryption for sensitive information and UDP for real-time video streaming. Tactical System fuses data from AIS, GPS, RADAR, SONAR, Thermal Camera."*
 - *Proficient in hardware/software integration involving microcontrollers, Delphi, Java and ANSI C, experienced in sensor fusion with radar, sonar, GPS, AIS, and NMEA 0183/2000 protocols.*
 - *Skilled in relational database design, implementation, and management using SQL for secure and structured data handling.*
 - *Helicopter Aerodynamics trainer.*
 - *Helicopter CRM trainer.*
- **Communication & Networking**
 - *Designed and implemented onboard Hellenic Navy Warship IoT (edge computing) based systems for real-time telemetry acquisition from ship systems, enabling data analysis aligned with operational or corporate standards.*
 - *Able to architect signal acquisition frameworks for both analog and digital input channels, ensuring robust and scalable system interoperability.*
- **Military Command & Operations**

Commanding officer experience overseeing naval vessels, helicopter squadrons, and unmanned aerial vehicles (UAV), maintaining high operational readiness and strict regulatory compliance.
- **Project & Team Leadership**

Proven expertise in coordinating multi-disciplinary teams and executing large-scale defense projects under tight deadlines and resource constraints.

EXPERIENCE

COMMANDING OFFICER, 1ST HELICOPTER SQUADRON – AB-212ASW & MH-60R & S-100 UAV / [1 AUG 2023 – 1 AUG 2024]

- Oversaw flight operations, personnel management, and maintenance within the 1st Helicopter Squadron.

- Coordinated with multiple branches (naval, air, ground) for integrated maritime missions, highlighting cross-functional leadership skills.
- Led the acquisition and operational integration of MH-60R helicopters and S-100 UAV systems, ensuring alignment with strategic fleet objectives.

OPERATIONAL OFFICER – HELLENIC AVIATION COMMAND/ [15 SEP 2021 – 30 JUL 2023]

- Directed daily aviation operations for diverse aircraft fleets, aligning mission priorities with overarching command objectives.
- Streamlined communications among aviation units, ground support, and higher command structures, ensuring mission efficiency and resource optimization.
- Maintained strict regulatory compliance, a transferable skill applicable to maritime safety protocols.

NATIONAL REPRESENTATIVE TO NATO ROTARY-WING STANDARDIZATION & PROCEDURES / [15 SEP 2021 – 30 JUL 2023]

- Collaborated with allied forces to establish and refine multinational standards for rotary-wing operations (experience in international/multinational coordination valuable in shipping).

Strengthened cross-nation communication to enhance operational readiness and coalition effectiveness.

COMMANDING OFFICER – AUXILIARY SHIP, HELLENIC FLEET HELLENIC NAVY / [15 SEP 20 – 20 AUG 21]

- Led daily operations and navigational planning for an auxiliary vessel, maintaining strict adherence to safety protocols and maritime regulations.

EDUCATION

Masters in Distributed Systems (In Progress) *Hellenic Open University, Patra / Expected Completion: 2027*

- **Focus on scalable, secure, and high-availability computing architectures**
- **Topics include cloud computing, parallel programming, distributed databases, microservices, and fault-tolerant systems**
- **Emphasis on systems interoperability, communication protocols, and data integrity — highly relevant to communication systems and secure networking applications.**

Bachelor's Degree – Hellenic Naval Academy
Graduated 2001

Additional Certifications & Training

- Aviation Crew Resource Management (transferable risk management and safety techniques)
- Aviation Accidents Investigator (root-cause analysis mindset applicable to maritime accident prevention)
- Joint Armed School of Programmers and Software Analysts
- Active Pilot (AB-212ASW, 1700 Flight Hours)
- Michigan C2 Certification in English Language (2019)

**COMMUNICATION
ABILITIES**

Cross-Functional Coordination: Adept at relaying complex instructions and technical data to both technical specialists and non-technical personnel, ensuring clarity and alignment.

Strategic Briefings & Liaison: Skilled in delivering mission briefings to higher command, debriefing teams' post-operation, and liaising with external partners and allied forces.

Multinational Environment: Experience in international exercises and joint ventures, fostering clear, solution-focused communication channels across diverse cultural and linguistic backgrounds. Multi National, multi naval warfare exercise key planner 'NIRIIS 2017'.

**LEADERSHIP
HIGHLIGHTS**

Led multi-million-euro equipment under strict deadlines and resource constraints. Innovated real-time sensor fusion technologies, enhancing mission-critical decision-making capabilities. Successfully introduced advanced maritime rotary-wing and unmanned systems into operational service.

**AWARDS &
RECOGNITIONS**

- **Commendation from Chief of the Hellenic Fleet**
Awarded for designing and developing a groundbreaking tactical system for the AB-212 helicopter, integrating sonar, radar, AIS, GPS, and thermal imaging.
- **Commendation from the Operational Commander of European Naval Force of Mediterranean Operation IRINI**
Recognized for creating an application that automated staff tasks at Force Headquarters, significantly enhancing operational efficiency.