
EXPERIENCE**Marine Corps Cyberspace Warfare Group (Fort Meade, MD) | Director of Cyberspace Operations Planning** April 2015 - Present

- Served as the primary project manager for the largest DOD-sponsored cyberspace operation tasked with conducting detailed tactical planning and executing cyberspace missions recognized by national leadership as the model for integrated combat operations.
- Led, trained, and mentored a cross-functional military and civilian team of 8 personnel responsible for 15 intelligence presentations and 30+ intelligence reports provided to key global stakeholders.
- Deconstructed a high priority counterterrorism target to identify its critical processes, resources, and interdependencies and used the analysis to develop and present an innovative strategic plan to key stake holders including the National Security Council.
- Categorized and measured key performance indicators to improve the operational effectiveness of cyberspace missions in support of President-level national security and foreign policy objectives.

2nd Battalion, 9th Marines (Camp Lejeune, NC/Okinawa, Japan) | Lead Intelligence Officer Apr 2014 – April 2015

- Led a multi-disciplined team of 14 constructing comprehensive analytical products supporting up to 1,500 personnel for 1-4 week-long joint operations with the militaries of Japan, France, Brunei, South Korea, and the Philippines.
- Created, led, facilitated, and supervised 265+ hours of professional development for direct reports in addition to 15+ hours of foreign military and cultural training for units preparing to conduct joint operations with foreign militaries.

6th Marine Regiment (Camp Lejeune, NC) | Director of Intelligence Operations Mar 2013 – Apr 2014

- Led a multi-disciplined team of civilian contractors scoping, structuring, and executing a comprehensive 330+ hour training package for a 500+ unit deploying to combat operations in Afghanistan.
- Prepared weekly intelligence analysis and reporting to senior management in support of counterterrorism training operations as the Lead Intelligence Officer of a 22 Marine combat advisor team.
- Developed and presented 10 operations updates to audiences of 80+ ranging from analysts to C-suite executives for the U.S. military's Bold Alligator (10K+ Marines).

2nd Radio Battalion (Camp Lejeune, NC) | Director of Current Intelligence Operations Jan 2013 – Mar 2013

- Developed, maintained, and implemented the unit's training and deployment schedule.
- Led the ideation, technical development, and testing of multiple unmanned aerial system proof of concept experiments addressing current capability gaps with open source hardware/software that was used to drive future system procurement and Marine training.

EDUCATION**Massachusetts Institute of Technology (Cambridge, MA) | M.S. Mechanical Engineering** Sep 2009 – Jun 2011

- GPA: 5.0/5.0; robotics and control systems focus
- Thesis: Autonomous navigation and tracking of surface targets utilizing an aerial vehicle; developed computer vision and state estimation algorithms to integrate GPS, IMU, and computer vision measurements into multiple control systems.

United States Naval Academy (Annapolis, MD) | B.S. Systems Engineering (Honors) Jun 2005 – May 2009

- GPA: 3.98/4.0 overall, 4.0/4.0 in major; top 1% of class; robotics and control systems focus
- Trident Scholar: 1 of 8 selected for independent research - UAV distributed control algorithm (UMD/Naval Research Lab.)

ROBOTICS AND VOLUNTEERING

- *Seraph*: created a dance/robot piece with Grammy nominated modern dance company Pilobolus (20 shows, 8,000+ people)
- Volunteered for: Wilmington FIRST Robotics Team Mentor, DC Drone Users Group, DIY Robocars DC Extension
- Published in: *Yahoo! Finance*, *Proc. Of the ACRA*, *Marine Corps Gazette*, *Small Wars Journal*, *CIMSEC.org*
- Skills: ROS, MatLab, LaTeX, C, OpenCV, CompTIA Security+, Certified Ethical Hacker, Technician Class HAM Radio
- Security Clearance: Top Secret clearance and granted access to Sensitive Compartmented Information

AWARDS AND INTERESTS

- Awards: U.S. Marine Corps Intelligence Unit of the Year (2017); U.S. Marine Corps Innovation Challenge Semi-Finalist (2017); Botsker Award for Best Robot Actor, Robot Film Festival NYC (2012); Signals Intelligence Officer Course Distinguished Graduate: 1 of 13 (2012); USNA Colt Award: 1 of 90 in major (2009); Tau Beta Pi Fellow: 1 of 30 in U.S. (2009)
- Interests: Travel (23 countries and 21 states), distance running (10 marathons), reading, DIY robotics