

JOSHUA SANTOS

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PROFESSIONAL SUMMARY:

Experienced Aerial Sensor Operator with 1300+ hours in AFRICOM, NORTHCOM, CENTCOM, and PACOM working with JTF/JSOE elements. Flight/Standardization instructor with extensive experience leading the development and improvement of ASO training programs in multiple theatres. Skilled geospatial intelligence imagery analyst, knowledgeable in exploiting various IMINT disciplines such as FMV, SAR, Multispectral, and MTI.

CORE COMPETENCIES

- Aerial Sensor Operator
- Geospatial Intelligence
- FMV Analysis
- MTI Analysis
- Basic SAR Principles
- Air/Stack Warden
- Relay during high-stress TIC / Kinetic environments
- Target walk-on
- SIGINT correlation
- Joint Fires
- ArcGIS Level 1&2
- ArcMap
- Socket GXP
- Remote View
- FalconView
- DCGS-A
- Thresher
- AIDE Suite
- GBS
- TiGR
- Palantir
- Current TS/SCI

PROFESSIONAL EXPERIENCE

October 2020 – Present

**Geospatial Imagery Intelligence Analyst (PED) – Subject Matter Expert (SME) / PED Manager
Smartronix, Philippines**

- Conducted over 2000 hours of PED analysis and created or assisted with over 1500 Post Mission Products (PMP) for Task Force Commanders supporting Operation Pacific Eagle
- Provided quality control (QC), quality assurance (QA), and the production of over 750 PMP's for the United Nations Security Council Resolution (UNSCR) resulting in over 550 infractions against the DRPK and the PRC
- Created over 100-time sensitive special reconnaissance ADHOC tasking PMP's for the U.S. embassy, Department of States, Naval Attaché', Joint Task Force – Indo-Pacific Command, 511.1 JISE, and other mission partners
- Provided situational awareness support during G20 Summit in Indonesia during November 2022 for United States Secret Service, Indonesian security forces, and POTUS
- Provided Resupply overwatch of Philippines outpost in the West Philippines Sea to deter Chinese military and coast guard aggression against regional American allies

June 2020 – Present

Owner / Founder / ISR Consultant

Shadow Realm ISR LLC (www.shadowrealmisr.com)

- Provided support for companies looking to bid on government intelligence proposals
- Able to guide decisions for the architecture of Aerial Reconnaissance aircraft regarding IMINT sensors, ground stations, and BLOS solutions

- Assists in providing price comparison charts for sensors, ground stations, software, and other intelligence requirements

June 2020 – October 2020

**Intelligence Analyst (PED) - Mid
Smartronix, Philippines**

- Part of the initial set-up of PED functions in the PACOM AOR for Smartronix
- Conducted over 100 hours of PED analysis and created over 150 PMP's for SOTF 511.2 Commanders and partner forces supporting Operation Pacific Eagle
- Conducted PED support for the Armed Forces of the Philippines during military operations of enemy combatant locations

August 2019 – May 2020

**Processing, Exploitation, and Dissemination (PED) Analyst
Leidos, TF 5-11.2**

- Conducted PED analysis and created Post Mission Products for SOTF 511.2 Commanders and partner forces
- Assisted Project MAVEN FSR in implementing the MAVEN software into the PED mission while also training the PED cell on MAVEN operations
- Created over 150 Geospatial products during 700 mission hours that were utilized by five teams of Joint Operational Forces with SOTF 511.2

October 2018 – June 2019

**Airborne Sensor Operator / Processing, Exploitation, and Dissemination (PED) Analyst/ Site Lead
Quiet Professionals LLC, TF 5-11.2**

- Created a Technical Manual for the EGRET aircraft and sensor package including MX-25 operations and Augmented Reality System (ARS) software
- Managed the EGRET site by conducting an inventory of all equipment and creating templates for mission operations
- Supported NYX ISR programs and advised functional task elements, including mission planning, systems operations, analysis, and reporting training functions in preparation for systems deployment.

July 2016 – March 2018

**Mission Manager NCOIC/Company Standardization Instructor
U.S. Army, 3rd MI BN (AE), Camp Humphreys**

- Amassed over 200 Full Motion Video (FMV) hours over 40 missions on the Korean Peninsula
- Managed 396 flight operations equaling 2,376 hours of collection time
- Revamped the Alpha Company Standard Operating Procedures (SOP) and Wartime Tactics, Techniques, and Procedures (TTP's) to address the Counter Special Operation Forces mission
- Created an Aerial Sensor Operator Training course which taught convoy operations, vehicle interdictions, target execution, stack operations, and communications using the Joint Fires Power Manual and the Keyhole Method of Deployment

April 2013 – July 2016

**Company Standardization Instructor
U.S. Army, 204th MI BN (AR), Fort Bliss, Texas**

- Flew over 500 hours supporting AFRICOM FMV operations with Joint Special Operations Air Detachment-Uganda (JSOAD-UG) during Operation Observant Compass
- Participated in numerous Intelligence, Surveillance, and Reconnaissance (ISR) missions for Combined Joint Special Operations Task Force - Afghanistan (CJSOTF-A) during Operation

Enduring Freedom, totaling 650 combat flight hours, providing real-time actionable intel to battlefield commanders resulting in the elimination and capture of multiple high-value individuals and was awarded an Air Medal

- Collected more than 200 time-sensitive geospatial imagery intelligence reports used by U.S. Special Forces
- Established TTP's in support of JTF-North, resulting in the seizure of over \$30,000 in narcotics

January 2011-April 2013

Geospatial Intelligence Analyst / Intelligence Analyst 35F slotted

U.S. Army, 2nd Cavalry Regiment, Camp Vilseck, Germany

- Developed flight blocks for various assets as an ISR Sync Manager in charge of the aerial assets collection management allocations during Operation Saber Junction
- Leader of three Tactical Ground Stations and one Common Ground Station (CGS) vehicles capable of MTI and Synthetic Aperture Radar (SAR) collection
- Assisted Task Force and North Atlantic Treaty Organization Allies with geospatial analysis by analyzing both National and Commercial Imagery Collection

August 2010 – January 2011

Geospatial Intelligence Analyst Course

U.S. Army, 305th Infantry Regiment, Fort Huachuca, AZ

- Demonstrated proficiency in understanding EO, infrared, radar, and multispectral sensors.
- Completed Tactical Identification section of aircraft, vessels, wheeled, and tracked vehicles.
- Ran real-time simulations of MTI, two-color multi-view (2CMV) change detection, and IED detection for course finals.

Education

- Fostoria High School Diploma – 2009
- Liberty University – Certificate in Business Administration - December 2020
- Cochise College – Associates of Applied Science in Intelligence Operations Studies (Dean's List) - December 2020
- Syracuse University – Certificate in Project Management – February 2021
- Oklahoma City University – Certificate in Government Contract Management – June 2021
- University of Arizona – Undergraduate Certificate in Information Warfare – May 2022
- University of Arizona – Bachelor's of Applied Science in Intelligence and Information Operations – Cum Laude – May 2022
- University of Arizona – Currently enrolled in Master of Arts in International Security Studies (Expected Graduation – Spring 2023)

Professional Certifications

- Advanced Individual Training – Geospatial Intelligence Imagery Analyst Course 35G, Fort Huachuca, Arizona 2010 (Honor Graduate)
- Arc-GIS level I – February 2012
- Arc-GIS level II – March 2012
- TGS System Operator – April 2013
- GPSTF – Weapons handling and counter-intelligence course, San Antonio, June 2014
- Gryphon Group – weapons handling, defensive driving, and counter-intelligence course, North Carolina, October 2015
- Basic Leaders Course – Camp Jackson, South Korea, February 2017
- NGA Geospatial Professional Level I – November 2017
- Project Management Institute – Project Management Professional (PMP) – July 2021