

Geospatial Analyst, Alan L. Clack

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HIGHLIGHTS OF GIS PROFICIENCIES

- ESRI ArcGIS Suite
- GIS Production
- GIS Analysis
- ArcPy Scripting / ModelBuilder
- TS/SCI Clearance
- GIS Web Portal Management
- ArcGIS Online
- Leaflet / Turf.js
- HTML/CSS/JS, PHP
- SharePoint / ASP.NET
- GDAL
- Google Sketchup
- Adobe Acrobat / Photoshop
- Training & Curriculum Development

HIGHLIGHTS OF GIS EXPERIENCE

- Quantum GIS (QGIS)
- ESRI CityEngine
- Socet GXP
- ENVI
- Imagery Analysis
- 3D Analysis
- GMTI Analysis
- SDE Database Management
- Geodetic Survey
- Topcon Tools / TopSURV
- AutoCAD

Dedicated geographic information systems specialist with 7 years of experience handling production efforts in both solo and team oriented environments. Supported wide range of complex customer requirements with a bearing towards analysis including terrain analysis, 3D analysis, and GMTI analysis. Supported units overseas in both GIS technician and GIS Team Lead positions, always adapting to unique site workflows and developing additional capability.

Outstanding efficiency of a production environment and maintenance of data holdings. Products were produced at a high rate tempo, due to effective organization and well documented workflows. Ensured the integrity, accuracy, and completeness of data holdings through automated scripting, reporting, and fidelity scales.

Excellent presentational skills and development of customer relations in order to adapt custom made products to meet specific operational needs and intelligence requests. Trained instructors and students in aspects of hardware, software, analysis, and scripting.

PROFESSIONAL EXPERIENCE

APEX EXPERT SOLUTIONS LLC.

Fort Belvoir, VA – April 2015 to Present

Geospatial Team Lead

Advanced the expanded Geospatial Training and Analysis Cell (GTAC) to support the Night Vision Electronic Sensors Directorate (NVESD) CONUS/OCONUS simulation lab, Full Motion Video (FMV), Bi-Static Surveillance System (BSS), and Imagery Analyst teams. Support provided to customers has expanded to mass data management and dissemination, spatial and scripted analysis, 3D modelling utilizing GIS technologies, and advanced Geospatial visualization techniques. Overhauled online collaboration environments to support overseas teams to allow for quick reaction products and sustainable production efforts. Instrumental in developing GIS data visualization services and software that was the foundation for a contract addition for the company.

Key Contributions:

- **Customers requiring advanced methods of analysis and visualization but are restricted to limited software and hardware configurations are still receiving quality products and analysis due the teams expanded capabilities. Stakeholders have seen a 200% increase in production, and the intelligence being produced is being disseminated in traditional means as well as webmap environments and user accessible mobile tablet environments giving much needed visibility to the results.**
- **Providing support for programs helped expand the company's contracts within the workspace. This has helped in acquiring better trained personnel which has resulted increased sensor output by over 50%. Decision makers and stakeholders are receiving more reliable data, and actionable intelligence in less time than previously due to combined efforts.**

APEX EXPERT SOLUTIONS LLC.

Fort Belvoir, VA – December 2014 to April 2015

Geospatial Analyst

Supported the Night Vision Electronic Sensors Directorate (NVESD) simulation lab and other government/military customers in support of sensor based solutions that provide force protection for the US Army. Significantly improved established workflows enabling the small team to support more customers with a wider variety of requests. Training development helped introduce analysis and advanced concepts to operators being trained for sensor usage in theater operations.

Key Contributions:

- **Automation of workflows utilizing Python/Command scripting reduced common workflows by 75%. Customers support consequentially expanded to support for "war-gaming" databases for aviation operations and multinational Joint Operations.**
- **Training improvements allowed operators to support overseas units with additional support and developed an excellent collaborative environment as reach-back support.**

2ND INTELLIGENCE BATTALION

Camp Lejeune , North Carolina - October 2011 to December 2014

Geospatial Intelligence Data Manager

Maintained, updated, and organized all geospatial data that is utilized by the Geographic Intelligence Capability in support of military operations, which includes worldwide datasets of command and urban level data. Trained and advised Marines on proper use of data for analytical purposes as well as proper creation and storage of newly created data. Instructed Marines in garrison/deployment on the proper use and maintenance of equipment to include computers, plotters, hard drives, and other hardware. Developed curriculum based classes and tutorials that cover varying levels of geospatial analysis. Managed GEOINT data online portals. Maintained an SDE database for replication into Marine Corps Intelligence Activity (MCIA) SDE database.

Key Contributions:

- **Familiar with a broad range of aspects related to data types and storage. Collection and management of data holdings, and web related dissemination of these holdings.**

- **Directly taught and established standing GEOINT related classes to allow an effective collection of knowledge to be accessed by all geospatial analysts within the organization.**

2ND INTELLIGENCE BATTALION

Camp Lejeune , North Carolina

Geospatial Intelligence Team Lead (November 2010 to October 2011)

Responsible for creating and maintaining updated maps meant to contribute to military operations in Afghanistan, the Caribbean, and AFRICOM. Types of operations include humanitarian assistance, counter-narcotic operations, joint operations with partner nations, 3D analysis for aeronautical operations, hydrographic / beach analysis for landing operations, and training products. Conducted quality assurance and quality control of the products created and distributed.

Key Contributions:

- **Lead a group of relatively inexperienced Marines, teaching them proper techniques for product creation and geospatial analysis in support of a multitude of military operations.**
- **Created map templates and analytical / processing models to assist in custom tailored products to improve team efficiency. Worked under demanding and unusual requests while still exceeding expectations of customers.**

ADDITIONAL EXPERIENCE

UNITED STATES MARINE CORPS (USMC) – Active Duty

Geospatial Intelligence Specialist, 12/2009 to 12/2014

SOUTHERN PARTNERSHIP STATION — USS Oak Hill, SPS-12

Geospatial Intelligence Specialist, 09/2012 to 12/2012

WEAPONS AND TACTICS INSTRUCTION COURSE — MCAS, Yuma, AZ

Instructor Course Support, 02/2013 to 05/2013

EDUCATION & TRAINING

NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY COLLEGE (NGC-E) - Springfield, Virginia

Basic Geospatial Intelligence Specialist Course (BGIS) – (2011)

Intermediate Geospatial Intelligence Specialist Course (IGIS) – (2013)

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