

HANNAH WHITFIELD

GEOSPATIAL ANALYST

CONTACT

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🏠 Chantilly, VA

🌐 linkedin.com/in/hannahwhitfield

SUMMARY

Geospatial Analyst with 7 years of experience, including 4 years as an Army geospatial engineer, producing imagery-based analysis for defense customers. Performs geospatial analysis in ArcGIS Pro, QGIS and Google Earth, and automates change detection in Python and R. Holds an active TS/SCI clearance with CI polygraph.

SKILLS

- Geospatial Analysis
- Python
- ArcGIS Pro
- QGIS
- R
- Google Earth
- Cartography
- Imagery Analysis
- Microsoft Office
- Attention to Detail

EDUCATION

Bachelor of Science

05/2019

Virginia Tech
Blacksburg, VA
Geography

EXPERIENCE

Geospatial Analyst

08/2023 - Present

Ridgeline Mission Solutions

Chantilly, VA

Defense contractor supporting a federal geospatial intelligence customer.

- Produce **30** geospatial analysis products a month on infrastructure and terrain for senior defense customers.
- Automate imagery change detection in Python and R, flagging new construction across 18,000 square kilometers each week.
- Write cartography standards and map templates for 12 analysts, cutting product review cycles from 3 days to 1.
- Validate foundation GIS layers against new imagery in QGIS with attention to detail, keeping the rejection rate under 3%.

Geospatial Engineer

07/2019 - 07/2023

U.S. Army

Fort Bragg, NC

Geospatial engineer in a brigade engineer battalion.

- Built terrain and route analysis products in ArcGIS Pro for 40+ training and deployment missions.
- Updated Google Earth and GIS layers of airfields, roads and bridges for a 3,000-soldier brigade.
- Briefed commanders on line-of-sight and mobility findings with Microsoft Office slides and printed maps.
- Trained 15 junior soldiers on GPS data collection and map production standards.

CERTIFICATES

Active TS/SCI Clearance with CI Polygraph

05/2023

U.S. Department of Defense

GEOINT Professional Certification, Imagery Analysis

02/2024

National Geospatial-Intelligence Agency