**Nikki Cruz Jackson-Hebson**

Fairfax Station, VA 22039

Nikkicruzjackson@gmail.com │703.915.2656 │ Portfolio : <https://nikkicjh.github.io/Portfolio/>

TS/SCI Polygraph

**Work Experience:**

**SAIC, Chantilly, VA**

*Senior Geospatial Engineer*

May 2016 to Present

Support intelligence customer by producing geospatial analysis and tools, cartography, and graphics in a quick turnaround operational environment.

* Managing the creation and maintenance of worldwide geospatial databases for use in operational planning, intelligence products, and analysis.
* Create custom geoprocessing tools to automate previously manual process in ArcGIS with ArcPy and a variety of open source geospatial scripting using GDAL/OGR libraries.
* Ensure customer taskings for GIS Team are completed with the highest standard of practices and quality control.

**Courage Services, Inc., Arlington, VA**

*Senior Geospatial Analyst*

July 2015 to May 2016

Support Foundation GEOINT Content Management (FGCM) task as a Senior Geospatial Analyst/Project Lead.

* Responsible for transferring Statement of Work (SOW) into Standard Operating Procedures (SOPs) for team members to ensure the task is completed to specification and in the most efficient way possible.
* Day to day involvement with all technical aspects of the project including DVOF/GAIT/Batch Checks/Imagery Prep/Metadata and QC using Data Reviewer and Production specific toolsets.
* Working in conjunction with the project manager and other task leads to develop timeline and personnel strategies ensure delivery dates are met.
* Collaborating with Leadership Team to write proposals and create budgets for upcoming and proposed projects.

**MDA Information Systems**

*Geospatial Analyst*

January 2015 to July 2015

Supported intelligence customer by producing geospatial analysis, cartography, and graphics in a quick turnaround operational environment.

* Research, collect, integrate and analyze a variety of spatially enabled intelligence to characterize events, discover relationships, and identify patterns.
* Generate daily reports incorporating signals intelligence information to disseminate to operations support within the area of responsibility.
* Collaborate with USMIL, NSA, NGA and numerous other Intelligence Community entities during the collection, research, analysis, and product generation process.

**Leidos (*formerly SAIC*), Reston, VA**

*Geospatial Analyst*

February 2014 to January 2015

Supported customer and contractor intelligence analysts throughout the Intelligence Community (IC) by producing geospatial targeting packages through open source research methodologies and maintaining geospatial products in a web-based environment.

* Produces long and short term geospatial targeting packages based on customer requests
* Creates interactive geospatial products in Google Earth with custom requested symbology
* Maintains customer collection of geospatial products through precise cataloging processes
* Support customer and contractor intelligence analysts with on-site technical geospatial training with emphasis on tradecraft and innovative methodologies

**SAIC, Chantilly, VA**

*GIS Analyst*

February 2010 to February 2014

Supported geospatial data production on various contracts related to data collection, imagery analysis, cartography, and quality assurance awarded from National Geospatial-Intelligence Agency (NGA).

* Extracted vector data for MGCP based on commercial imagery and digital elevation model data in an ArcSDE environment
* Managed, updated and created geodatabases to produce intelligence products
* Supported cartographic production of NGA standard products
* Attributed vector data using PLTS tools based on imagery analysis
* Referenced historic maps using native coordinate systems to prepare for vector extraction
* Trained fellow analysts on standard operating procedures of a geospatial production environment
* Performed as a final quality control analyst for several project phases

**Education:**

* *University of Wisconsin-Madison, Online*

January 2019 – December 2020

MS GIS and Web Map Programming; 4.0 GPA

* *Pennsylvania State University, World Campus*

January 2013 to May 2018

Masters Certificate, Geospatial Intelligence Analytics; 4.0 GPA

* *George Mason University, Fairfax, VA*

August 2007 to August 2010

BA Geography, Geographic Information Systems minor; 3.70 GPA

Graduated Magna Cum Laude

Received Outstanding Undergraduate Student Award in Geography - 2010

**Technical Skills:**

* ESRI Product Suite/ArcGIS Pro and Desktop to include multiple ArcMap Extensions for analysis in 2D and 3D.
* Illustrator and Inkscape to create cartographic products for web and print.
* PostgreSQL for creation and manipulation of databases.
* HTML5, CSS, Bootstrap, D3, IntelliJ, Github and Javascript libraries to create data visualization maps and tools.
* Python for creation and manipulation of ArcGIS geoprocessing tools.