Sheyla Sicily

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SUMMARY

Highly motivated and detail-oriented professional with a diverse data analytics, marketing, and geospatial science background. Skilled in leveraging geospatial technologies to drive impactful results across various industries. Committed to maintaining high standards of accuracy and contributing to continuous improvement in GIS processes.

EXPERIENCE

Quality Engineering Data Analyst
John Deere
Nov '23 — Present

- Applying advanced data analysis techniques in PowerBI and Excel, showcasing proficiency in Microsoft tools like SharePoint, Power Automate, and other PowerApps.
- Redesigned the data pipeline for BOS data to streamline efficiency, creating a data dictionary and ETL diagram to communicate data warehousing needs to data engineers, reducing dataset size by 10% through the elimination of duplicates and errors.
- Analyzed telematic and agronomic data for trends to improve precision farming techniques, enhancing the utility of John Deere equipment for farmers to maximize crop yields. Utilized SQL, Databricks, Confluence, and Tableau while coordinating with engineers, agronomists, company leadership, and other analysts.
- Analyzed and merged multiple contact databases, resulting in a thoroughly cleaned and transformed mailing list for over 2,000 users. This task required comprehensive data validation and QA/QC procedures to identify and resolve discrepancies, ensuring the accuracy and completeness of the contact information before uploading it into the company's email contact management system.

Geospatial Data Analyst
Pond & Company
May '22 — May '23

- Worked on various infrastructure management projects, including digitizing utility datasets such as electric, wastewater, and stormwater for U.S. government military bases worldwide. Demonstrated exceptional attention to detail in pipeline planning projects, managing as-built datasets across AutoCAD and ArcGIS Pro to ensure precise and accurate mapping and documentation.
- Developed automated geoprocessing workflows using Python, SQL, and web scraping techniques, resulting in streamlined data analysis and mapping processes.
- Conducted a spatial analysis project on space utilization for military facilities, managing large datasets to optimize
resource use and ensure efficient allocation, resulting in a 20% improvement in space efficiency, directly relating to
capacity management and honing skills in data analysis and visualization.
- Utilized AGILE project management principles, including the use of Azure DevOps, to effectively plan and execute GIS projects.
- Actively collaborated with various department's and government agencies, fostering cross functional teamwork and knowledge sharing.

Geospatial Analyst
Delta State University Geographic Information Technology (GIT) Center
Oct '21 — May '22

- Ensured compliance with NGA mapping best practices for the creation and quality control (QC) of MTM standard maps, maintaining accuracy and adherence to established guidelines.
- Utilized advanced mapping software, including ArcMap, ArcPro, Hexagon mapping tools, and Digital Cartographic Studio, to produce precise and high-quality defense mapping products.
- Collaborated effectively with a diverse team of 15 individuals, actively engaging in rounds of editing and QC to ensure the accuracy and integrity of the maps.
- Demonstrated growth mindset and mentorship skills by developing a streamlined training resource for new hires.

Geospatial Data Analyst Intern
Office of Homeland Security and Emergency Management
Jul '15 — Jan '17

- Spearheaded the creation of comprehensive and accurate maps for emergency planning, ensuring the efficient coordination of resources and response efforts during critical events.
- Received the 2016 Governor's Award for Heroism in recognition of outstanding contributions to emergency preparedness and mitigating the impact of natural disasters and potential security threats.
- Collaborated with support agencies to enhance decision-making and risk assessment through integrated mapping solutions, maintaining government security standards.

- Proficiently utilized software such as ArcMap, Terrago, CAMEO, ALOHA, and MARPLOT to generate reports and maps, facilitating seamless data analysis and visualization for emergency response.

SKILLS

Programming Languages   R (Programming Language), Python (Programming Language), SQL (Programming Language), HTML, DAX, Java
Data Analysis and Visualization   Data Analysis, Visualization, Data Quality Assurance, Data Insights, Data Exploration, Data Collection, Data Science, Geospatial Analysis, Statistics, Data Cleaning, Data Transformation
GIS and Mapping   ArcMap, ArcGIS (GIS Software), Geospatial Intelligence, Mapping, Geospatial Analysis, AutoCAD, Classification, Clustering, GE Smallworld, Hydrology, Geomorphology
Project Management   Project Management, Agile Project Management, Azure DevOps, JIRA
Technical Skills   Tableau (Business Intelligence Software), PowerBI, Plotly, Adobe Creative Suite, Canva (Software), Camtasia, Photoshop, Final Cut Pro, Microsoft Power Platform, GitHub

EDUCATION

Bachelors in Geospatial Analysis & Intelligence, DELTA STATE UNIVERSITY

PROJECTS

Business Operating System Transformation Project, John Deere   Jan '24 — May '24
- At John Deere, I led a key project to develop metrics and dashboards for measuring factory engagement during the transition to the new quality management system, "Business Operating System." This transformation involved 65 business units that needed to vote and provide feedback on the new processes.
- Collaborated closely with cross-functional teams to ensure data accuracy and actionable insights throughout the BOS transition process, contributing to achieving a remarkable 95% engagement rate among all business units.
- Created a dynamic dashboard using Microsoft Power Platform (Forms, Power Automate, SharePoint, Power BI) to track voting activity and details for 54 Business Operating Process ballots.

Baltimore City Recreation and Parks - Asset Assessment and Geospatial Data Collection, Pond & Co   Sep '22 — Apr '23
- Managed the rigorous quality assurance process for surveying over 100 parks managed by Baltimore Parks Department as part of a geospatial asset assessment project.
- Designed and implemented interactive dashboards for monitoring key field collection metrics. Implemented robust data integrity measures resulting in an error rate reduction of 15% from previous projects.
- Coordinated extensively with Baltimore city stakeholders, GIS analysts, and field team members to streamline the workflow.

CERTIFICATIONS

Certified GEOINT Professional Essentials CGP E   Mar '21
UNITED STATES GEOSPATIAL INTELLIGENCE FOUNDATION (USGIF)

Office of Geography COLD START Training Program   Oct '21
NATIONAL GEOSPATIAL INTELLIGENCE AGENCY (NGA)

Data Analytics Professional Certificate   Jun '24
Google

Certification in Geospatial Intelligence   May '24
UNITED STATES GEOSPATIAL INTELLIGENCE FOUNDATION (USGIF)