Alyssa Chambers

GIS Technical Specialist

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Madison, TN 37115

SUMMARY

Highly motivated and professional GIS expert with experience in spatial data management, analysis, and project management. Skilled in leveraging GIS tools and data analysis techniques to support infrastructure and economic development projects. Proven ability to develop accurate mapping solutions, ensure data integrity, and provide technical training.

EDUCATION

Western Kentucky University

Bachelor's Degree in Geography
2017 - 2020

Eastern University

Master's Degree in Data Science
2024 - 2026

SKILLS

- Exceptional written and oral communication skills, including procedural documentation and presentations.
- Excellent interpersonal and client service skills with a focus on building strong client relationships.
- Expertise in ArcGIS Pro, KML, ArcGIS Online, CSV, ArcGIS Spatial Analyst Extension, and Raster Data Models.
- Proficient in Microsoft Office Suite: Excel (advanced data analysis, pivot tables, macros), PowerPoint (presentation design), Word, and OneNote.
- Ability to use ArcGIS Spatial Statistics Tools, SPSS, CSV and DBF.
- Experienced in data analysis and visualization using PowerBI.
- Effective project management skills, including timeline and communication tracking.
- Advanced geospatial and data analysis capabilities.

PROFESSIONAL EXPERIENCE

GIS Specialist

Harvey Nash | 2020 - 2025

- Developed and maintained accurate map projects using ArcGIS Pro, Smallworld Gas Distribution Office, and Locusview.
- Created and managed feature classes, geodatasets, and map layouts.
- Implemented and upheld GIS data standards and best practices.
- Performed data quality control and validation to ensure accuracy and reliability.
- Integrated GIS data from various sources, including GPS data, CAD drawings, and tabular data.
- Sustained an accurate inventory of gas distribution assets, including pipelines, valves, and meters.
- Provided training and support to other GIS users within the organization.

GIS Technician

WKU Planning, Design & Construction | 2018 - 2020

- Designed and produce high-quality maps for various stakeholders, including university administrators, contractors, and regulatory agencies
- Converted and georeferenced data from AutoCAD drawings and blueprints into GIS data
- Utilized Trimble and GPS equipment to collect accurate coordinate data for various features
- Maintained and updated existing scripts and models to meet changing project requirements
- Developed and maintained web-based GIS applications to provide access to spatial data and analysis tools.

GIS Technician

Bowling Green Chamber of Commerce | 2018 - 2019

- Perform property research for surrounding areas to support economic development initiatives
- Digitize data from various sources, including paper maps and aerial imagery, then created and maintain spatial databases to store and manage GIS data (ArcGIS).
- Utilize ArcGIS, ArcGIS Online, AutoCAD, Esri Web Map, and Survey123 to create and manage GIS data and applications.
- Perform cartographic editing to enhance the visual quality of maps.