

# **TAYLIN SPURLOCK-MASSEY**

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**GIS Analyst | Data Analyst & Cartography Specialist** - GIS professional with six years of experience in geospatial analysis, cartography, and customer-focused mapping solutions. Skilled in designing, editing, and maintaining GIS datasets, producing visually consistent maps, and ensuring data accuracy through QA/QC standards. Adept at collaborating with cross-functional teams, supporting non-technical users, and delivering GIS training. Strong communicator with experience explaining technical concepts to diverse audiences and developing user-friendly workflows that enhance safety, decision-making, and operational efficiency.

**Technical and Software Competencies:** **GIS & Data Management:** ArcGIS Pro, ArcGIS Online, ArcMap, ArcCatalog, Enterprise Geodatabases, SQL | **Automation & Scripting:** Python (ArcPy), ModelBuilder, geoprocessing workflows, batch data transformation | **Cartography & Visualization:** Report figures, thematic maps, web maps, StoryMaps, Adobe Illustrator | **Data Formats:** Shapefiles, Feature Classes, GeoJSON, KML/KMZ, CAD integration (familiar), LiDAR/Orthophotos (familiar) | **Enterprise Support:** User training, help desk support, application testing, documentation | **Additional Tools:** Microsoft Office, Trimble GPS, ArcGIS Field Maps, Collector, large-format printers/plotters

## **PROFESSIONAL EXPERIENCE**

### **GIS Consultant**

Freelance | Remote | (02/2025 - Present)

- Designed custom maps and web applications for environmental and infrastructure clients using ArcGIS Online and Adobe Illustrator.
- Created GeoPDFs and interactive ArcGIS Online web maps ensuring design consistency and accuracy across multiple deliverables.
- Deliver detailed reports and shapefiles for clients to support compliance and planning requirements.
- Collaborate with clients on timelines, project scope, and findings while ensuring clear communication of complex technical results.

### **GIS & Data Management Intern**

National Park Service & Southern Utah University | Remote | (10/2024 - 5/2025)

- Maintained and standardized enterprise geospatial datasets for 12+ Alaskan park units.
- Developed standardized geospatial templates for all Alaskan parks to facilitate consistent data management and reporting for roads, trails, and points of interest (POIs).
- Performed QA/QC on spatial data and corrected topology and attribute errors.
- Provided GIS Helpdesk support, resolving user inquiries related to spatial queries, ArcGIS tools, and map creation.

### **Interpretive Park Ranger**

National Park Service | Blowing Rock, NC | (05/2023 - Present) | Seasonal

- Created StoryMaps and map-based exhibits for visitor education, ensuring visual clarity and design consistency.
- Supervised and trained volunteers to support property- and visitor-related data collection and reporting.
- Researched historic plats and deeds and converted them into usable GIS/cartographic products.

### **Teaching and Research Assistant**

Department of Geography and Planning at Appalachian State University | Boone, NC | (8/2021 - 5/2023)

- Taught data interpretation, analysis, and reporting in GIS labs, emphasizing accuracy and documentation.
- Produced research-based reports combining historical records, environmental data, and geospatial evidence.
- Published and presented findings to academic and professional audiences.

## **EDUCATION**

**Appalachian State University** - Boone, NC - *MA: Geography, 4.0GPA*

**University of Tennessee** - Knoxville, TN - *BA: Geography, 3.51GPA*