

Chip Weir

PROFILE

A GIS professional with a talent for transforming complex geospatial data into streamlined solutions, Chip combines Python scripting wizardry with a deep understanding of spatial analysis. From automating workflows to creating web maps for national parks and energy projects, he consistently delivers results. Known for his problem-solving and collaboration skills, he has tackled everything from complicated ETL processes to training new team members. Armed with a B.S. in Geography and a GIS certificate – he brings precision, innovation, and a touch of creativity to every project.

SKILLS

ArcGIS Pro, ArcGIS Field Maps, ArcMap, QGIS, Python, Arcpy, Geopandas, Automation, ArcGIS Online, ArcGIS Enterprise, ArcGIS Survey123, Esri Extensions, ArcGIS Indoors, Spatial Analyst, Visual Studio Code, SQL, QA/QC, ETL, Microsoft SQL, Oracle, Azure Blob, Digitization, Georeferencing, Visualization, Deep Learning Models, Schema Configuration, Analysis, Cartography, CAD to GIS integrations, Field Work, Data Migration, GNSS, Excel, Leadership, Training, Peer-to-Peer Mentorship, Problem Solving

EDUCATION

APPALACHIAN STATE UNIVERSITY, BOONE, NC

2021

Bachelor of Science in Geography

Minor in Biology

Certificate in GIS

EXPERIENCE

GIS PROGRAMMER/ANALYST, RINA North America

ATLANTA, GA (REMOTE): 2023 TO CURRENT

- Served as Lead on projects within the energy, education, and telecommunications sectors.
- Trained and mentored team members from both the internal organization and external client groups, delegated tasks, and led project meetings to ensure deliverables met client requirements.
- Provided consulting and support for offline basemaps, data migration, and GIS deliverables in a multitude of formats such as file geodatabases, keyhole markup language, and vector tile packages.
- Led GIS automation efforts by developing advanced ArcPy scripting tools, including those for .vtpk creation, schema mapping/export, data extraction, AGOL data pipelines, AGOL feature layer schema edits, SQL database updates, and feature class archiving.
- Streamlined workflows with Python tools that enhanced GIS data integrity, logging, and processing efficiency, significantly reducing manual efforts across multiple projects.
- Leveraged deep learning models for faster and more efficient data extraction.
- Designed, deployed, and managed scalable GIS tools, leveraging Azure blob storage and other cloud platforms per client needs.

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GIS ANALYST, RINA North America ATLANTA, GA (REMOTE): 2022 TO 2023

- Worked closely with clients and teams to determine GIS requirements and deliverables, including ETL processes, schema configuration & reviews, and quality control and assurance.
- Conducted spatial analysis, data extraction, data conversion, and visualization for projects involving buildable area analysis, slope analysis, and landowner parcel analysis.
- Imported and configured CAD facility data into Esri Indoors schema and created viewer web maps.
- Prepared data and configured ArcGIS Experience Builder applications.
- Performed manual heads-up digitizing of spatial features, data entry, and georeferencing for state, city, university, and private sector projects.

GIS TECHNICIAN, Southern Utah University CAPITOL REEF NATIONAL PARK, UT: 2022 TO 2023

- Conducted trail mapping using high-accuracy GNSS receivers for precise spatial data collection.
- Created web and field maps to support field data collection and operational workflows.
- Developed a recreation routes web map for park law enforcement and search-and-rescue (SAR) applications.
- Migrated legacy data to directories compliant with current NPS standards.
- Performed weekly air quality monitoring station filter changes to ensure data accuracy and consistency.