

# Chip Weir

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## 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, SQL, Visual Studio Code, QA/QC, ETL, Azure Blob, Digitization, Georeferencing, Visualization, Deep Learning Models, Schema Configuration, Analysis, Cartography, CAD to GIS integrations, Field Work, Data Migration, GNSS, Microsoft 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.