

OBJECTIVE

Draw on four years of experience in a complex, hybrid cloud environment to create value, automate tasks and analysis and improve project processes and documentation to support internal and external clients.

GEOSPATIAL ANALYTICS • CLOUD ARCHITECTURE

GIS Expertise: Developed and automated analytics using Python, ArcGIS Pro, ArcMap and QGIS. Designed maps and vector and raster data layers for web and printed maps.

Cloud Experience: Certified in AWS Cloud with experience using AWS as the data storage and compute layer for complex geospatial workflows and analytics involving Python, Kubernetes, Docker and Rancher.

Collaboration: Four years working in a high-change, collaborative and independent environment based on standups, Jira and GitHub pull requests and code review.

PROFESSIONAL EXPERIENCE

Teren, Inc

Systems Developer

June 2021 - June 2023

- Managed significant amounts of information to orchestrate a data pipeline supporting the analytics team
- Developed and improved spatial models and algorithms to produce geographical datasets
- Coordinated with multidisciplinary teams including DevOps, Environmental Science and Analytics
- Queried PostGIS using SQL to generate map layers
- Optimized analytics tools to improve efficiency and quality of analysis outputs

Geospatial Analyst

June 2019 - June 2021

- Disseminated detailed and accurate analysis findings through static maps
- Communicated value by distilling complex data and concepts
- Created interactive and informative map layers using ESRI ArcMap and ArcGIS Pro
- Validated and QA/QC'd data inputs and analytics outputs
- Automated complex workflows using Python and packaged scripts as custom ArcMap toolboxes
- Manipulated large datasets including both raster and vector data
- Experimented with spatial analytics to improve efficiency and explore possibilities to implement Machine Learning

KEY SKILLS

Python Scripting	Amazon Web Services	Complex Data Analysis	Attention to Detail
ArcGIS Pro/ArcMap	Version Control (Git)	PostGIS/PostgreSQL	Collaboration
Data Management	Understanding Workflows	Documentation	Open to Feedback
Machine Learning (AI/ML)	Data Visualization	Map/Cartographic Design	Requirements Translation

EDUCATION

Colorado State University (Fort Collins)

2015 - 2019

BS, Business: Computer Information Systems

Minor: Spatial Information Management

CERTIFICATIONS

AWS SAA-C03 (AWS Certified Solutions Architect - Associate)	Valid - 2026
AWS SOA-C02 (AWS Certified SysOps Administrator - Associate)	Valid - 2026
AWS DVA-C02 (AWS Certified Developer - Associate)	Valid - 2027
AWS DOP-C02 (AWS Certified DevOps Engineer - Professional)	Valid - 2027