

# ANDRZEJ [ANDRE] KOZIELEC

## GIS Data Analyst

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## SKILLS

FME Desktop	FME Server	ArcGIS	ArcGIS Pro	QGIS	SQL	Data Warehousing	Power BI	R
ggplot2	Python	VBA	Shell Scripting	ChatGPT-4	Natural Language Processing	JavaScript	HTML	
CSS	Leaflet.js	Web Hosting	JIRA	Microsoft Office Suite	Microsoft Teams			

## CERTIFICATION

### Certified FME Professional

Safe Software

### Building Models for GIS Analysis Using GIS

Esri

## EXPERIENCE

### GIS Data Analyst

#### Southern Company Gas / Enterprise Decision Support and Data Governance

2022 - 2024 Remote

- Collaborated with 5+ cross-functional teams, enhancing GIS data integration across 3 departments and improving data efficiency by 40% through automated processes
- Streamlined complex SQL and FME processes, reducing processing time by 35% and improving efficiency by minimizing the number of transformers and lines of code required
- Developed scripts that aligned 10 datasets with National Pipeline Mapping System standards, transitioning from yearly to monthly reviews, which expedited error correction and reduced the yearly review time of a full week down to just an hour each month, thereby enhancing team efficiency
- Mastered six software tools and programs without formal training, leading to a 90% increase in workflow efficiency and reducing process time from one week to just 4 hours
- Developed 5 Power BI dashboards, simplifying complex datasets which influenced 3 key executive decisions in Q1 2023

### GIS Specialist

#### Southern Company Gas / Asset Data & Analytic Department

2019 - 2022 Remote

- Spearheaded the use of advanced GIS techniques to create complex geospatial models, resulting in a comprehensive understanding of gas pipeline networks and enabling more efficient resource allocation, reducing associated costs by 25%
- Introduced innovative GIS software solutions, automating data collection and analysis processes, and driving a 40% increase in productivity, while enhancing data accuracy for the planning and management of gas infrastructure projects
- Led a cross-functional team of GIS technicians and contractors, developing a FME tools that automate the integration of 'Pipeline Feature Lists' into our GIS system, enabling on-time, under-budget completion of high-stakes projects and a 20% increase in operational efficiency
- Led 3 training sessions for 15+ new team members on GIS best practices, reducing onboarding time by 25% and increasing departmental productivity by 10%

### GIS Technician

#### Southern Company Gas / Asset Data & Analytic Department

2014 - 2019 Naperville

- Leveraged ArcGIS software to develop and maintain geospatial data for efficient mapping and analysis, leading to a 30% improvement in data accuracy and contributing to strategic planning and decision-making in a fast-paced gas company environment
- Managed the integration of geospatial data from diverse sources, including satellite imagery and field observations, into a unified GIS system, supporting field operations, pipeline management, and maintenance planning, reducing operating costs by 15%
- Demonstrated problem-solving skills by identifying and correcting GIS data errors, ensuring high-quality mapping and analysis for effective gas line tracking and environmental impact assessments
- Offered ongoing technical support to 4 field teams, reducing operational disruptions by 30%
- Implemented automation scripts using Python to streamline repetitive GIS tasks, reducing manual workload by 20% and improving project turnaround times

## EDUCATION

### Bachelor of Science in Geography

#### Southern Illinois University

2008 - 2012 Carbondale, IL

- Internship at Green Earth, Inc: Served as the first GIS intern, laying the groundwork for the organization's geospatial capabilities
- I completed a range of relevant coursework in the GIS field, including Advanced GIS, Advanced Remote Sensing, Spatial Analysis, Applied Geographic Statistics, GIS Programming and Customization, Enterprise GIS Planning and Implementation, and Geographic Visualization
- Dean's List