

# JORDAN COOLEY

## TECHNICAL ANALYST & AUTOMATION DEVELOPER

Tampa, FL | jaybencool@gmail.com | linkedin.com/in/jordanbcooley | github.com/jcooley-dev | Portfolio

### PROFESSIONAL SUMMARY

Technical analyst and automation developer with professional experience supporting enterprise data workflows and building Python tools for AI-assisted documentation, data processing, and web applications. Skilled in Python, SQL, REST APIs, FastAPI, SQLite, Git/GitHub, JavaScript, and structured troubleshooting. Combines software development, data quality, and operational problem-solving to automate repetitive work, improve reliability, and translate business needs into maintainable technical solutions.

### TECHNICAL SKILLS

**Programming & Web:** Python, SQL, JavaScript, HTML, CSS, FastAPI, REST APIs

**Data & Automation:** Pandas, GeoPandas, SQLite, CSV/JSON, ETL concepts, data cleaning and transformation, workflow automation

**Development Practices:** Git/GitHub, modular architecture, error handling, debugging, virtual environments, VS Code

**AI & Technical Support:** Ollama and local LLMs, prompt design, application support, QA/QC, data validation, issue investigation, technical documentation

**Platforms:** Smallworld GIS, ArcGIS Pro, ArcGIS Online, QGIS, ModelBuilder, geodatabases, Excel, Power BI, Microsoft 365

### SELECTED PROJECTS

**GeoPilot** | *Python, Pandas, Ollama, REST API*

Built a modular local-LLM application that reads project READMEs, file structures, and CSV datasets, then generates documentation, resume bullets, repository descriptions, and LinkedIn drafts.

Separated context gathering, orchestration, and model communication into reusable modules; added timeout, connection, and response-parsing error handling for graceful failure and swappable model backends.

**Career Intelligence Platform** | *Python, FastAPI, SQLite, HTML/CSS/JavaScript* | **IN PROGRESS**

Developing a web application that centralizes job opportunities, applications, skills, resumes, interview preparation, and career data in a relational SQLite database.

Designing RESTful CRUD workflows and modular backend components to support analytics and AI-assisted career features.

**Personal Portfolio Website** | *HTML, CSS, JavaScript*

Built a responsive static portfolio to present technical projects, case studies, resume, GitHub work, and contact information through a clear, mobile-friendly interface.

**EV Charging Infrastructure Analysis** | *Python, GeoPandas, QGIS, ArcGIS Pro*

Cleaned and transformed public charging-station data, created geospatial outputs, and applied density and multi-criteria suitability methods using population, transportation, and environmental factors to identify high-value and underserved areas.

### PROFESSIONAL EXPERIENCE

**GIS Analyst (Contract-to-Hire)**

Jan 2026 - Present

*Pike Engineering - Client: Duke Energy*

Tampa, FL

Support enterprise electric-distribution data workflows in Smallworld GIS, validating network and attribute records used by engineering, planning, and downstream business systems.

Investigate connectivity, data-integrity, and record discrepancies by comparing engineering schematics, system records, and spatial/network logic.

Process and QA more than 100 utility updates per week while meeting production standards and maintaining consistent accuracy.

**GIS & Environmental Analyst Intern**

2024 - 2025

*Terwilliger Engineering*

Tampa, FL

Produced technical maps and spatial data products for petroleum remediation and environmental cleanup projects; analyzed contamination zones, wetlands, land use, and project boundaries to support planning, scoping, and stakeholder review.

### EDUCATION

**Master of Science, GIS Administration** | University of West Florida

Expected Spring 2028

**Bachelor of Arts, Geography & GIS** | University of South Florida

Dec 2025

**Bachelor of General Studies, Environmental Science & Policy** | University of South Florida

Dec 2024

*Graduate focus: GIS programming and automation, web GIS, spatial databases, and systems administration.*