Lydia Kidwell

she/her | lydia.kidwell22@gmail.com | 703.340.4316 | Reston, VA | linkedin.com/in/lydiakidwell | lydiakidwell.com

Analytical and mission-driven data professional with 2+ years of experience in geospatial analysis, stakeholder engagement, and interdisciplinary project support. Skilled in using **ArcGIS Pro, Python, Excel, and Tableau** to manage large datasets, automate workflows, and visualize insights for decision-making. Committed to continuously expanding expertise in data analysis and sustainability through professional development. Passionate about applying data analytics and GIS tools to address climate change and **drive equitable, data-informed solutions.**

SKILLS

Professional Skills

Project Support, Stakeholder Engagement, Written & Verbal Communication, Research & Reporting, Interdisciplinary Collaboration, Teamwork, Problem-Solving, Organization, Process Optimization, Workflow Documentation

Technical Skills

Data Analysis & Visualization: Python (Pandas, NumPy, Matplotlib), Tableau, Excel, Smartsheet
Geospatial Analysis & GIS: ArcGIS Pro, ArcGIS Online, Raster & Vector Analysis
Programming: Google Collab, Pycharm, Github, Command Prompt, Bash
Reporting & Design: PowerPoint, Word, InDesign, Photoshop, Canva

Currently Learning

R, Ggplot2, ArcGIS StoryMaps

PROFESSIONAL DEVELOPMENT

- **Hiring Our Heroes' Career Forward Program** — *Google Data Analytics Certificate* — Anticipated May 2025
- **Esri** — *Make an Impact with Modern Geo Apps MOOC* — Anticipated April 2025
- **Esri** — *GIS for Climate Action MOOC* — March 2025
- **Linkedin Learning** — *Learning Design for Sustainability* — March 2025
- **Udemy** — *100 Days of Code: The Complete Python Bootcamp* — February 2025
- **Esri** — *Going Places with Spatial Analysis MOOC* — March 2023

EXPERIENCE HIGHLIGHTS

Geospatial & Tabular Data Analysis

- Analyzed and visualized large geospatial datasets in *ArcGIS Pro* daily, integrating LiDAR, zoning, utility, and environmental layers to assess industrial site suitability
- Synthesized quantitative and qualitative data into client-ready certification reports, incorporating geospatial layers and due diligence findings, in alignment with VEDP and VBRSP site certification standards
- Cleaned and synthesized FEC campaign finance data with *Python* and displayed the resulting 20M+ data points with a *Tableau* dashboard to make campaign finance data accessible to a general audience (project at lydiakidwell.com)

Stakeholder Engagement & Communication

- Surveyed stakeholders, utility representatives, and economic development representatives using *Smartsheet* for every site certification and/or site identification project, then analyzed and visualized results in *Tableau* and *PowerPoint* to communicate actionable site development goals
- Utilized *Photoshop, InDesign* and *PowerPoint* to create marketing brochures, site concept plans, charts, and graphs to effectively communicate site capabilities and development potential

PROFESSIONAL EXPERIENCE

Timmons Group — Richmond & Virginia Beach, VA | July 2022 – August 2024

Project Engineer – Economic Development

Supported site certification and identification projects across VA and NC, collaborating with an interdisciplinary team of engineers, GIS specialists, and economic development experts to deliver comprehensive site analyses, stakeholder insights, and custom reports aligned with relevant economic development authority standards

o   Designed and distributed 5+ utility and economic development representative surveys per site certification project using *Smartsheet* to collect and organize key site data for certification deliverables

o   Analyzed and visualized stakeholder survey data in *Tableau* and *Excel* to establish individualized site development goals and communicate findings to clients and stakeholders

o   Developed 5+ constraint maps per site certification project using *ArcGIS Pro*, layering processed LiDAR data for elevation analysis, environmental features (e.g., wetlands, rivers), utility lines, etc.

o   Authored detailed site certification reports (1/month), synthesizing findings from due diligence studies; zoning, parcel ownership, and transportation data; site constraint mapping; and site concept plans to certify industrial sites in accordance with relevant economic development authority standards

o   Led the Mega Site Research Initiative, resulting in a *Smartsheet* spreadsheet with over 10,000 data points, by conducting online research to consolidate key site data (e.g., utilities, land cost, acreage) for Southeast U.S. mega sites to support benchmarking and site identification efforts

o   Reduced report production time by 8.3% by automating workflows and leading the process recording initiative, resulting in 12 workflow documents, 2 ArcGIS Pro templates, and 3 style guides

VOLUNTEER EXPERIENCE

Virginia League of Conservation Voters   Reston, VA | January 2025 - Present
Advocate

o   Develop advocacy skills by participating in weekly workshops focused on storytelling, messaging, and writing letters to legislators regarding Virginia climate legislation

o   Learn about and discuss climate science, campaign and community organizing, and using digital tools and social media to advocate for climate solutions in monthly Climate Action Workshops

Pet FBI   Reston, VA | January 2025 - Present
Lost Cats Virginia Facebook Page Lead

o   Share lost and found cat reports from the Pet FBI database on the Lost Cats Virginia Facebook page

o   Communicate with pet owners, track engagement metrics, and analyze share data to improve outreach strategy and recovery rates

o   Collaborate weekly with a mentor to enhance communication and digital community engagement

EDUCATION

Virginia Polytechnic Institute and State University   Blacksburg, VA

o   *Bachelor of Science in Biological Systems Engineering*