

# Lydia Kidwell

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Sustainability Analyst | ESG Analyst | Data Analyst | GIS Analyst

**Highly motivated and solution-oriented** professional with 2 years of experience in **civil engineering consulting, economic development, and data analysis**. Proficient in utilizing tools such as **Excel, Smartsheet, ArcGIS Pro, and Tableau** to collect, analyze, and visualize large datasets to meet client and stakeholder needs. Demonstrated ability to **streamline processes and improve team collaboration** to support organizational goals. Passionate about **sustainability and data-driven problem solving** with a strong desire to contribute to **impactful, result-oriented** projects.

**Data Collection • Data Analysis • Data Visualization • Process Optimization • Site Identification & Certification  
Written & Communication • Problem-Solving • Organization • Research • Passion for Sustainability  
Python • Smartsheet • ArcGIS Pro • Tableau • Microsoft Office Suite (Word, Excel, PowerPoint, Outlook, Teams)**

## EXPERIENCE HIGHLIGHTS

### Data Collection

- Developed Economic Development team's automated processes and workflow documentation for large dataset collection at Timmons Group - including water and sewer lines and capacities, county-wide LiDAR data, historical preservation and conservation easements, etc. - to streamline the site identification process, resulting in an 80% decrease in active data collection time
- Led the Economic Development team's mega site research initiative at Timmons Group to support benchmarking efforts by designing a database in *Smartsheet*, conducting online research to collect data, and documenting usage, data types, and the creation process, resulting in a database with over 10,000 data points

### Data Analysis & Visualization

- Utilized *ArcGIS Pro* daily as a project engineer at Timmons Group to process and display geographic data for constraint mapping (utilities, topography) in site certification reports (5 maps/month), site identification projects (10 maps/quarter), and client certification program development (15 maps/year)
- Created and distributed 4-8 utility and locality surveys per site via *Smartsheet* forms, analyzed survey findings with *Tableau*, and presented results with *PowerPoint* presentations and *InDesign* reports for stakeholders and clients

### Process Optimization

- Decreased overall report creation time by 8.3% by reorganizing the site certification process steps and leading the team's process recording initiative - created 12 workflow documents, 2 *ArcGIS Pro* constraint mapping templates, and 3 style/design standards documents

## PROFESSIONAL EXPERIENCE

### Timmons Group

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

#### Project Engineer – Economic Development

Identified and certified industrial sites based on the relevant economic development authority's standards by collecting and analyzing geographically relevant data and summarizing the results in a site certification report (Tier Report) to communicate findings with clients and stakeholders

- Collaborated with and surveyed up to 20 stakeholders per site to develop individualized site scoring criteria, establish relevant site development goals, and collect local utility and economic development data
- Communicated actionable site development and certification information to clients by reviewing up to 10 due diligence studies per site and summarizing all qualitative and quantitative findings of significance in Tier Reports
- Collaborated with a multidisciplinary team of 5 senior engineers to develop at least one site concept plan per certification study with feasible cost estimates and timelines and rendered the plan using *Civil 3D* and *Photoshop*
- Led the team's mega site research and process recording initiatives resulting in increased competitiveness in project proposals and increased Tier Report creation efficiency

## EDUCATION

### Virginia Polytechnic Institute and State University

Blacksburg, VA

- Bachelor of Science in Biological Systems Engineering*

## CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Hiring Our Heroes' Career Forward Program** — Google Data Analytics Certificate Anticipated May 2025
- LinkedIn Learning** — Career Essentials in Data Analysis by Microsoft and LinkedIn Anticipated March 2025
- Udemy** — 100 Days of Code: The Complete Python Bootcamp February 2025