

Lydia Kidwell

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Highly motivated and detail-oriented professional with 2 years of experience in **civil engineering consulting, economic development, and data analysis**. Skilled in utilizing **ArcGIS Pro, Tableau, and Python** to create **interactive maps**, build **searchable databases**, and communicate complex data to **inform strategic decision-making**. Passionate about sustainability, climate policy, and advancing climate action initiatives through **data-driven solutions**.

Data Collection ♦ Data Analysis ♦ Data Visualization ♦ Database Creation & Management ♦ Research & Reporting ♦ Stakeholder Engagement & Communication ♦ Problem-Solving ♦ Organization ♦ Process Optimization ♦ ArcGIS Pro ♦ Tableau ♦ Python ♦ Smartsheet ♦ InDesign ♦ Photoshop ♦ Microsoft Office Suite (Word, Excel, PowerPoint)

PROFESSIONAL DEVELOPMENT

- **Hiring Our Heroes' Career Forward Program** — *Google Data Analytics Certificate* Anticipated May 2025
- **Esri** — *GIS for Climate Action MOOC* March 2025
- **LinkedIn Learning** — *Learning Design for Sustainability* March 2025
- **Esri** — *Going Places with Spatial Analysis MOOC* March 2023

EXPERIENCE HIGHLIGHTS

Data Collection & Analysis

- Led the mega site research initiative, resulting in a searchable *Smartsheet* database with over 10,000 data points, by conducting online research and documenting the process to share with the team (Project Engineer at Timmons Group)
- Utilized *ArcGIS Pro* to create 5+ constraint maps per Site Certification Project by collecting multiple datasets (utility lines, topography, etc.), layering them, and performing spatial analysis (Project Engineer at Timmons Group)
- Created an educational tool for the public to learn where Trump's 2024 campaign funding came from by cleaning FEC data with *Python* then using *Tableau* to analyze and display the 20 million data points (project at lydiakidwell.com)

Stakeholder Engagement & Communication

- 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 *Word* and *InDesign* to create a Site Certification Report (1/month) (Project Engineer at Timmons Group)
- Surveyed up to 20 stakeholders per Site Identification Study using *Smartsheet*, analyzed results in *Tableau* to develop individualized site scoring criteria and establish relevant site development goals, and created *PowerPoints* for senior engineers to present the findings to stakeholders and clients (Project Engineer at Timmons Group)

PROFESSIONAL EXPERIENCE

Virginia League of Conservation Voters

Reston, VA | January 2025 - Present

Advocate

- Conduct climate policy research to be better informed when writing letters to local, state, and federal legislators (1/week) advocating for Virginia climate legislation
- Develop advocacy skills by participating in weekly workshops focused on storytelling, messaging, and letter writing
- Attended the 2025 Legislative Update Call Series (January – February) weekly to stay informed on Virginia's conservation legislation and participate in discussions on key issues

Timmons Group

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

Project Engineer – Economic Development

- Created 1 Site Certification Report per month by collecting geographically relevant data, performing spatial analysis in *ArcGIS Pro*, reviewing up to 10 due diligence studies per site and summarizing findings in *Word*, then combining all pieces in *InDesign* to communicate actionable information to stakeholders
- Collaborated with a multidisciplinary team of up to 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*
- Decreased overall report creation time by 8.3% by leading the process recording initiative, resulting in the development of 12 workflow documents, 2 *ArcGIS Pro* templates, and 3 style standards documents
- Coordinated with the City of Norfolk, Timmons Group's Virginia Beach Wastewater team, and contractors to conduct pump station site visits (1/month), design effluent pipe repairs in *Civil 3D*, and oversee the design implementation

EDUCATION

Virginia Polytechnic Institute and State University

Blacksburg, VA

- *Bachelor of Science in Biological Systems Engineering*