

# Nikko Siegfried

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## Professional Experience

### Westwood Professional Services

Austin, TX

#### GIS Specialist

September 2023 – Current

- Used ModelBuilder to automate collection, standardization, and uploading of large parcel datasets.
- Constructed technical reports, presentations, and planning documents related to engineering and survey projects.
- Organized and maintained data using ArcGIS Online.
- Learned new tools such as Survey123 and VertiGIS Studio to collect and deploy spatial data.

### State Cartographer's Office

Madison, WI

#### Student Intern

October 2023 – May 2023

- Collaborated in a team of four to create a high-resolution flood exposure vulnerability map for Ashland County in Northern Wisconsin.
- Populated, organized, and managed a multi-layer geodatabase used for hazard mitigation, resource allocation, vulnerability assessments.
- Developed a survey for regional leaders and emergency managers to assess areas of need in flood exposure vulnerability analysis.
- Actively contributed to planning and implementation of data collection and database structure.

### High Road Strategy Center

Madison, WI

#### Student Intern

June 2023 – May 2023

- Collaborated with a professor and graduate student to create a municipal financial analysis report promoting more efficient and equitable urban development.
- Collected, cleaned, and analyzed datasets for 18 municipalities to construct 3-D financial analysis visualizations.
- Managed and automated analysis implementing geodatabases and ModelBuilder.
- Researched data analysis and presentation methods related to spatial municipal analysis.

## Technical Skills

### Software

- Proficient in use of **MS Office** (Word, Excel, Outlook, Powerpoint), **ESRI Suite** (ArcGIS Pro, AGOL, Esri StoryMaps), **QGIS**, **VertiGIS Studios**, **Survey123**, and **Adobe Illustrator**.

### Data Analysis

- Proficient in use of **Python**, **R** and **RStudio**, **SQL**, **Microsoft Excel**, **Arcade** and **Model Builder** for data manipulation and analysis.

## Education

### University of Wisconsin – Madison

2019 – 2023

#### Majors

- Cartography and Geographic Information Systems (B.S.)
- Physical Geography: Earth Systems and Environmental Processes (B.S.)

#### Certificate

- Environmental Studies

#### Notes

- Focused on implementing tools such as python and matplotlib to analyze and visualize spatial data
- Worked up to 25 hours per week at two GIS positions while fulfilling 17 course credit hours