**JULIE L. BOYDEN**

407 North 4th Street | Mount Horeb, WI 53572 | 608.333.6893 | julielboyden@gmail.com

# SUMMARY OF QUALIFICATIONS

* Extensive experience integrating road asset, pavement, and marine data into ArcGIS software and web apps.
* Skilled in Python programming and GIS development to assist and create automated processes.
* Excelled in a Marketing and Sales position requiring superb written and verbal communication skills.
* Strong ability to problem-solve when consulting clients on their technological needs and ideas.
* Excellent leadership, communication, and organizational skills.

# EDUCATION

Cartography/GIS  **August, 2022**

University of Wisconsin - Madison – Madison, WI

**M.S. GIS Development**

* **GIS Python programming**
* **Developed interactive web maps using ArcGIS API for Javascript**
* **Developed Graphic User Interfaces (GUI) for python processing**

Geography/GIS **2016**

Minnesota State University - Mankato – Mankato, MN

**B.S. Professional Geography and a GIS Certificate**

# WORK EXPERIENCE

**Teledyne-FLIR-Raymarine, Monona, WI**

## GIS Analyst April, 2021 - Present

* Maintain and review Javascript code to produce charts on Raymarine devices.
* Automate processes using Python to assist in chart production.
* Create and maintain ArcGIS web apps to review progress in-house.
* Consult and train contractors located overseas while maintaining multiple projects at once.

**Mandli Communications/Roadview**, Fitchburg, WI

## GIS Analyst June, 2019 – April, 2021

* Implemented a single ArcGIS Enterprise within company to create more opportunities for data analysis and visualization with Esri software and apps.
* Assessed and updated GIS models to enhance and further automate processes with Python scripting.
* Built and standardized geodatabases for customers.
* Used web development knowledge to create online web maps for customers to view and search through their data quickly and thoroughly.

***Data Integration/Consulting Intern*** **February, 2019 – June, 2019**

* Evaluated the uses and plan for a single ArcGIS Enterprise within company.
* Assessed and updated GIS models to enhance and further automate processes with Python scripting.

***Marketing and Sales Intern*  October, 2018 - February, 2019**

* Implemented new marketing strategies within the company through email campaigns, surveys, etc.
* Used technical and creative ability to display data in an appealing and informative way to customers.
* Attended conferences to work with customers face to face.

## Data Technician May, 2017 - October, 2018

* In charge of group of data processors to overlook work and give feedback in person or in text.
* Process attributes for data and utilize learned skills to help with various projects, wherever needed.

***Data* *Processor* October, 2016 - May, 2017**

* Process attributes of road assets and pavement distress
* QC team member’s work and provide feedback.

# SKILLS

* Proficient in Esri Software/Web Apps (Arc Map, Arc Pro, Arc Online) and Microsoft Office
* Experienced in Model building, Python, and ArcGIS API for Javascript
* Competent with QGIS, SQL, Adobe Illustrator, Adobe Photoshop, and Java