**Nathan Schuelke**

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**Summary**

Motivated GIS professional with experience in geospatial technology, project coordination, and team leadership. Proven ability to support life cycle project management phases, including initiation, planning, execution, control, and closure. 10 years of strong leadership background from U.S. Army Reserve, with a keen focus on integrating cross-functional teams and managing resources effectively.

**Education**

**Master of Science in Geographic Information Systems Development**

Expected Graduation Date August 2025 | University of Wisconsin - Madison

* Coursework includes HTTP protocols, JavaScript, and GIS web application development.
* Hands-on experience building GIS solutions and handling geospatial datasets.
* ArcPy, GDAL, Field Maps, Story Maps, Survey 123, HTTP, JavaScript, CSS, GitHub

**Bachelor’s Degree in Geospatial Science** 2020-2023| University of Wisconsin – Stevens Point

* Geography, GIS and mapping background

**Professional Experience**

**GIS Technician SSP Innovations | January 2024 – Present**

* Collaborated with teams to manage end-to-end mapping projects aligned with deadlines and quality standards
* Utilize ArcGIS Pro for mapping and source record validation to manage gas utility datasets.
* Conduct documentation updates for work processes.
* Collaborate with cross-departmental teams to deliver precise utility mapping projects on time.

**Staff Sergeant & Squad Leader | Combat Engineer** **U.S. Army Reserve | 2009 –2022, 2023-Present**

* Planned and executed engineering operations, demonstrating strong organizational and scheduling skills.
* Applied resource management strategies to optimize project outcomes.
* Facilitated communication and integration across multiple teams for successful project delivery.
* Lead and train a squad of soldiers in combat engineering operations, ensuring mission readiness.
* Operation Enduring Freedom Veteran
* Air Assault, CWOC, SLICK

**Geospatial Engineer** **U.S. Army Reserve | 2022-2023**

* Geospatial Data Analysis: Collect, analyze, and interpret geographic data from satellite imagery, aerial photography, digital sources, and GEOINT datasets to support military operations.
* Map Creation and Maintenance: Produce and update topographic maps, 3D terrain models, and other geospatial products to aid in mission planning and execution.
* Terrain Analysis: Evaluate terrain features and their impact on military operations, including route analysis and obstacle identification.
* Write reports and present analysis to operations commanders.

**Office Manager | Madison Vet Center | 2018 – 2020**

* Managed and maintained oversight of two government financial accounts, ensuring accuracy and compliance with regulatory guidelines.
* Monitored budget allocations, prepared financial reports, and ensured appropriate use of funds for organizational initiatives.
* Processed payroll for all employees, ensuring timely and accurate payments while addressing discrepancies as needed.
* Coordinated and executed a range of HR tasks.

(Please inquire for previous job experience)

**Skills**

* **Geospatial Technology:** Proficient in ArcGIS Pro, ArcGIS Online, geoprocessing, and utility mapping.
* **Programming & Web Development:** Experience with JavaScript, HTTP protocols, and GIS web application design.
* **Project Coordination:** Skilled in planning, budget analysis, and performance tracking for organizational goals.
* **Leadership:** Strong ability to lead teams, manage resources, and communicate effectively at all organizational levels.

**Relevant Project Experience**

**Capstone GIS Web Application (Master’s Degree Program)**

* Designed and developed a fully functional GIS web applications integrating JavaScript and geospatial datasets.
* Utilized dynamic mapping libraries to create interactive, user-friendly interfaces.

**Military Leadership Accomplishments**

* Supervised the execution of multiple engineering projects under time-sensitive conditions.
* Mentored junior soldiers, fostering career growth and technical expertise.
* Communicated with leadership to facilitate operational readiness and resource allocation.

**Additional Information**

* Security Clearance: Please Inquire