William Olson

wolson623@gmail.com ▪ (954)551-0447

Objective

Driven GIS student with proven expertise in ArcGIS Pro and GeoAI seeking a post-grad GIS Analyst position.

Education

Undergraduate Student at University of Florida, GPA: 3.92   **Spring 2026**

Major: Natural Resource Conservation with a specialized focus in Geographic Information Systems (GIS)

Natural Resource Conservation (NRC) is an interdisciplinary major where ecology, field applications, sampling, GIS technology and natural resource policy are studied.

Minor: GeoAI and Geographic Analysis

Trained in AI applications integrated with geographic datasets, analytics, and technology for pattern identification, trend prediction, and data driven decision making.

Experience

OPS Worker – Student Researcher   **March 2025 – Present**
Gainesville, FL
- Applying ArcGIS Pro to assist the development of a deep learning AI technology designed to detect invasive plants utilizing drone imagery.
- Automated geospatial data workflows using ArcGIS ModelBuilder to ensure data integrity.

Research Tutorial Abroad – Student Researcher   **June 2023 – July 2023**
Berlin, Germany
- Selected by the University of Florida to assist the Technical University of Berlin with a team research project focused on creating a visual decision-making tool using ArcGIS in Germany.
- Project was concentrated on data collection and documentation and achieved the goal of the digitization of historic site data to support climate change mitigation measures.

University of Florida, Sanibel Symposium – Student Assistant   **September 2022 – May 2023**
Gainesville, FL
- Utilized Microsoft Excel to manage international symposium attendees travel itineraries, verify funding arrangements, document speaking schedules, detail guest contact information, and simplify logistics.
- Used Microsoft publisher to design from concept to publication the Sanibel Symposium program.

Notable GIS Projects

Panther and Wildlife Crossing

This project studies the link between wildlife crossings, traffic counts, and Florida panther deaths in southern Florida with the use of ArcGIS Pro. It aims to assess the effectiveness of these crossings in preventing collisions and to find new locations for future crossings.

Solar Energy Site Analysis

I used ArcGIS Pro to analyze geospatial data and identify optimal sites for energy development. I conducted land use assessments, roadway proximity analysis, slope evaluation, and sunshade analysis. Based on these parameters, I developed binary and ranking suitability models to support solar energy planning and provide a reference for future projects.

Leadership and Awards

Co-President of Gator GIS (GIS Club)   **Fall 2025 – Present**
Teaching Assistant, Dendrology Lab   **Fall 2025**
Treasurer of Organic and Sustainable Agriculture Club   **Fall 2023 – Spring 2025**
Recipient of LaFontaine Scholarship – UF School of Forest, Fisheries, and Geomatic Sciences   **Fall 2024**

Skills

Geospatial Technologies
Proficient in ArcGIS
Foundational knowledge of R and Python for data processing
Strong knowledge of ESRI products

Office Skills
Proficient in Microsoft Office Suite
Comfortable with remote meeting resources
Receptive and adept with new software programs

My website, https://wolsongis.github.io/my_resume/, contains additional information about work experience and projects.