Quinn Keefer

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EDUCATION

Appalachian State University, Boone North Carolina   **Fall 2025**

B.S. in Geography with a concentration in Geographic Information Systems (GIS)
Chancellor's list 5 Semesters

Study Abroad in Nepal   **Summer 2024**

- Trekked to Everest base camp, and received hands-on learning experience about glaciers, high-altitude environments, and climate change at the highest elevations on Earth.

PROJECTS

Maternal Health Providers Dataset   **May-November 2024**
Undergraduate Research Assistant for Dr. Maggie Sugg

- Worked with a team to clean and quality control a nationwide dataset of maternal health providers for further study in analysis.
- Utilized ArcGIS Pro to geocode the locations of providers for future analysis.

UAV-Based Sonar Project   **August 2024-Present**
Undergraduate Research Assistant for Dr. Song Shu

- Participated in 4 field data collections with a novel UAV-Sonar system, collected ground data, route planning.
- Performed all data processing from raw to finished products, utilizing multiple software packages to generate final products.

UAV 3D Modeling Project   **May 2024-Present**
Undergraduate Research Assistant for Dr. Song Shu

- Utilized different software packages and workflows to generate 3D products from UAV-based photos.

Socio-Economic Dataset   **August-October 2024**
Undergraduate Research Assistant for Dr. Maggie Sugg

- Gathered, processed, and calculated a dataset of various socio-economic variables for the entire US, for use in future analysis.

AWARDS AND CONFERENCES

NCDOT Symposium Poster Presentation   **February 2025**
- Presented findings from UAV-Sonar research.

G. Herbert Stout Award for Innovative Student Papers at NC GIS Conference   **March 2025**
- Podium presentation of UAV-Sonar research

SKILLS

Programming languages: R (statistical language), HTML, CSS, and Javascript

Software: ArcGIS Pro, ArcGIS Online, QGIS, ArcGIS Drone2map, ENVI, Pix4D mapper, Reality Capture, and Adobe Illustrator

CERTIFICATES

Adobe: Photoshop, Illustrator   **Spring 2019**

ESRI MOOCs: Cartography, GIS and BIM   **Spring 2024**