

# Parker LeClair

## Geologist – GIS Graduate Student

### CONTACT

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### EDUCATION

#### M.S. GIS-Technology

University of Arizona

2025-Present

#### Intro to CS and Programming using Python

M.I.T. Online

2025-Present

#### B.A. Geology

SUNY Plattsburgh

2019-2024

#### Geology Field Camp

University of Missouri

Summer 2023

### SKILLS

Geospatial Analysis

Data Management

Technical Communication

Field Data Collection

3D Modeling

Drone Surveying

Operational Safety

### VOLUNTEER EXPERIENCE

#### US Forest Service

Abandoned Mines Inventory

and Hazard Assessment

Tonto Natl. Forest, AZ - 2024

### SUMMARY

Geologist and GIS graduate student building technical expertise in spatial data analysis and workflow development. Experienced in field-based mapping and volumetric analysis using drone point clouds, R, and GIS to reconcile modeled geology with mined production data. Seeking to transition into a GIS-focused role applying geoscience knowledge to spatial analysis and data-driven problem solving.

### PROFESSIONAL EXPERIENCE

#### Imerys Performance Minerals

2024-Present - Geologist

2021-2023 - Intern/Sampling Technician

- Coordinate drilling, sampling, mapping, and grade control to support mine planning and resource optimization.
- Scripted data processing and analysis using R within a reconciliation workflow to integrate UAV survey and GIS data to verify geologic model accuracy and inform production planning.
- Collaborate with geology, operations, and safety teams to inform short and long term mine development.

#### United States Geological Survey

Summer 2024 - USGS/NAGT Field Mapping Intern

- Collected lithologic and structural field data to assist in mapping the extent and characteristics of a newly identified fault.
- Used ArcGIS Pro and Survey123 to record field observations, manage GPS-based datasets, and create a preliminary geologic map.
- Surveyed bedrock lithology and identified geomorphic and hydrologic features indicative of faulting in collaboration with a USGS emeritus geologist.

#### University of Missouri

Summer 2024 - Geology Field Camp Teaching Assistant

- Supported instructors in delivering field geology curriculum with emphasis on mapping methods, safety, and student engagement.
- Prepared field materials, maintained equipment, and guided students in geologic interpretations and data management.
- Promoted adaptable thinking and situational awareness during fieldwork in varied terrain.