**Kade McClain**

223 Feldspar Drive, Jefferson, GA 30549 • (757) 755-5880 • kademcclain02@gmail.com

**EDUCATION**

**University of Georgia** Athens, GA

B.S., Geology August 2021– December 2023

*Summa Cum Laude*

GPA: 3.91

**RESEARCH EXPERIENCE**

**University of Georgia** Athens, GA

*Undergraduate Research, Department of Geology* April 2022– December 2023

* Conducted mineralogical research under the guidance of Dr. Paul Schroeder
* Gathered field samples to analyze the geomorphology and mineralogy of a watershed
* Performed a grain-size analysis on gathered samples to evaluate depositional trends within soil layers
* Conducted an x-ray diffraction analysis to examine the mineralogical characteristics of the samples
* Interpreted mineralogical data from an x-ray diffraction (XRD) analysis
* Compiled and managed a database containing gathered data
* Used various inferential statistical methods to interpret and present gathered data
* Presented a poster of the research at a symposium for undergraduate research

**TEACHING EXPERIENCE**

**University of Georgia** Athens, GA

*Part-time Tutor* August 2021– November 2023

* Assisted peers through collaborative instruction in calculus, chemistry, and physics to foster a stronger understanding of course material
* Organized and managed monthly group study and tutoring sessions.

**PRESENTATIONS**

Center for Undergraduate Research Symposium, University of Georgia, April 2023.

**McClain, K.**; Schroeder, P. “A Grain Size Analysis of Legacy and Paleo-Sediment; Implications on the Geomorphology and Hydrology of the Region.” Poster presentation. Athens, GA.

**VOLUNTEER EXPERIENCE**

**UGA, Department of Geology** Union, SC

*Volunteer Field Assistant* October 2021

* Assisted Dr. Paul Schroeder in retrieving research samples from various locations near the Calhoun Critical Zone Observatory

**Jefferson Public Library** Jefferson, GA

*Volunteer* June 2023– July 2023

* Showed patrons where to find library resources, collect equipment, reshelved books, and reorganized shelves
* Participated in storytime events dedicated to fostering scientific appreciation among children and new readers

**Keep America Beautiful** Arcade, GA

*Volunteer and Event Manager* June 2023

* Organized and participated in a community event dedicated to cleaning litter and fostering an increased appreciation for the community’s environmental resources

**REFERENCES**

**Dr. Paul Schroeder**

University of Georgia

Professor, Department of Geology

Research Advisor

210 Field Street

University of Georgia

Athens, GA 30602-2501

schroe@uga.edu

**Dr. Douglas Crowe**

University of Georgia

Professor, Department of Geology

Academic Advisor

210 Field Street

University of Georgia

Athens, GA 30602-2501

dcrowe@uga.edu

**Dr. Mattia Pistone**

University of Georgia

Professor, Department of Geology

Assistant Professor

210 Field Street

University of Georgia

Athens, GA 30602-2501

mattia.pistone@uga.edu