

# Taiylor Williams

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## EDUCATION

Auburn University (January 2026 – Present)

PhD in Earth System Science

University of West Georgia (January 2026 - August 2026)

Post-Baccalaureate Certificate in Geographic Information Systems

University of West Georgia (August 2023 – December 2025)

B.S. in Earth and Environmental Science (Concentration in GIS)

Cumulative GPA: 3.75 (*Cum laude*)

## Relevant Coursework

- Geographic Information Systems (GEOG 4553)
- Remote Sensing and GIS Integration (GEOG 3563)
- Cartographic Process (GEOG 3305)
- Remote Sensing of Environment (GISC 4350)

## WORK EXPERIENCE

- Graduate Teaching Assistant (January 2026 – Present)  
Auburn University
- GIS Co-Op Student (December 2025 - Present)  
Carroll EMC
- National Science Foundation IRES Intern (June 2025 – July 2025)  
University of Costa Rica / Georgia State University
- National Science Foundation REU Intern (May 2024 – September 2024)  
University of West Georgia / Georgia State University
- Student Research Assistant (July 2024 - May 2025)  
Columbia River Basin Project, University of West Georgia

## PUBLICATIONS

- **Williams, T.**, Currier, R.M., Hidalgo, P.J., Mittal, T., Nimblett, J., Bitner, L., and

Schneider, B., in review. Multi-pulse and crystal-laden emplacement of the Tunnel Dike: Implications for flood basalt volcanism. *Earth and Planetary Science Letters*. Jun 2025

- **Williams, T.**, Currier, R.M., Hidalgo, P.J., Mittal, T., Nimblett, J., Bitner, L., and Schneider, B., Redefining Volcanic Conduit Dynamics: Inelastic Deformation of Granular Media During Dike Emplacement in the Chief Joseph Dike Swarm. *GSA Fall Meeting Conference Abstract*. Sep 2024

## PRESENTATIONS AT CONFERENCES

- Corral, S., Hopwood, K., Roberts, A., **Williams, T.**, Currier, R.M., and Hidalgo, P.J., 2024. Redefining volcanic conduit dynamics: Inelastic deformation of granular media during dike emplacement in the Chief Joseph Dike Swarm. *GSA Fall Meeting*.
- Corral, S., Hopwood, K., Roberts, A., **Williams, T.**, Currier, R.M., and Hidalgo, P.J., 2024. Redefining volcanic conduit dynamics: Inelastic deformation of granular media during dike emplacement in the Chief Joseph Dike Swarm. *National Association of Black Geoscientists*.

## RECOGNITION

- Theta Mu Earth and Environmental Science Honors Society (Fall 2025)
- Ingram Scholarship Recipient (Spring 2025, Fall 2025)
- Geoscience Award Scholarship Recipient (Spring 2024, Fall 2024)
- Student Athlete Advisory Committee Officer (2023-2024)

## PROFESSIONAL MEMBERSHIPS

- Esri (2024-Present)
- National Association of Black Geoscientist (2024 – Present)
- Geological Society of America (2023-Present)