

CURRICULUM VITAE

CHANDLER S. WHITE, IV, GISP

Department of Information Technology
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Geographic information science professional with a broad array of skills, ranging from enterprise-level system design to geospatial app development. Experience working in many domains, from transportation to ecology. Specialization in spatial analysis, ecology, and quantitative methods.

EDUCATION

M.S., Geospatial Science; University of North Alabama; Florence, AL; December 2017
Thesis: Phylogenetic patterns of invasive macrophytes in freshwater communities
Advisor: Dr. Jonathan Fleming

B.A., Geography; Auburn University; Auburn, AL; December 2009

EMPLOYMENT

GIS Technical Coordinator; Clayton County Department of Information Technology;
January 2024-Present

GIS Analyst; Clayton County Department of Information Technology; June 2023-January 2024

Systems Administrator; Clayton County Department of Transportation and Development; October 2018-June 2023

GIS Technician; Clayton County Department of Transportation and Development; February 2018-October 2018

Geospatial Analyst; Optimal GEO, Inc.; May 2017-August 2017

TEACHING EXPERIENCE

Graduate Teaching Assistant; University of North Alabama; January 2016-December 2017

- GE 111 Physical Geography: Weather and Climate
- GE 112 Physical Geography: Landforms
- GE 325 Cartography and Visualization
- GE 384 Geographic Information Systems
- GE 415/515 Quantitative Methods in Geography
- GE 454/554 Remote Sensing and Image Analysis
- GE 615 Advanced Quantitative Methods (guest lecturer)

Undergraduate Teaching Assistant; Auburn University; August 2009-December 2009

- GEOG 5820 Aerial Photography and Remote Sensing

RESEARCH EXPERIENCE

Research Volunteer; Lake Watch of Lake Martin; 2009-2010

Collected and processed water samples using a spectroradiometer and other digital sensors

Research Assistant; AlabamaView; 2008-2010

Collected and processed environmental products derived from Landsat program platforms

PUBLICATIONS

Pretes, Michael J. and Chandler S. White, IV. Instructor Resource Manual for *The Cultural Landscape: An Introduction to Human Geography* (James M. Rubenstein; 12th Ed.). New York City, NY: Pearson.

SELECTED AWARDS

Special Achievement in GIS Award; Esri; 2025

Government-to-Government Award; Government Management Information Sciences, Georgia Chapter; 2025

GIS Day Proclamation; Clayton County, Georgia Board of Commissioners; 2024

First place (student poster competition); Applied Geography Conference; 2016

David W. Icenogle Award for Outstanding Senior in Geography, Auburn University; 2009

SELECTED CONFERENCE PRESENTATIONS

“Bridging the Digital Divide with GIS”; 2025 Esri Southeast User Conference (Plenary Talk); Atlanta, GA; 2025

“Modernizing Strategic Performance Administration Using Integrated Esri Apps”; 2025 Esri Southeast User Conference (Technical Presentation); Atlanta, GA; 2025

“Phylogenetic Diversity of Invasive Macrophytes in North American Lentic Systems”; Southeastern Division of the American Association of Geographers Conference; Starkville, MS; 2017

“Analysis of Macrophyte and Fish Community Structure in Mississippi Alluvial Valley Lakes”; Annual Meeting of the Alabama Fisheries Association; Tuscaloosa, AL; 2017.

“A Canonical Correspondence Analysis of Ecological Community Structure in the Mississippi Alluvial Valley”; Applied Geography Conference; Louisville, KY; 2017.

“Close Range Hyperspectral Remote Sensing of Lake Eutrophication at Lake Martin, Alabama”; Southeastern Division of the American Association of Geographers Conference; Knoxville, TN; 2009

GRANTS

Freddie Wood Geography Research Grant; University of North Alabama; 2016 & 2017

PROFESSIONAL DEVELOPMENT

Geographic Information Systems Professional (GISP); GIS Certification Institute; Credential ID 161424; Awarded 2022

Member, Geospatial Professional Network

Member, Georgia Geospatial Association

SERVICE

Clayton County Board of Commissioners

- Designed and led a track of 6 GIS-focused workshops at the Spring 2025 Government Management Information Sciences Georgia Chapter Conference
- Organized and led a GIS Day Expo event and GIS mini-workshop for students at Morrow High School as part of GIS Day in November 2024

University of North Alabama

- Facilitated a Geography Awareness Week event in association with National Geographic at Forest Hills Elementary School in Florence, AL in November 2016
- Served as President of the Zeta Nu chapter of the Gamma Theta Upsilon Honor Society from 2016-2017
- Elected as graduate student representative to Department of Geography faculty meetings for the 2016-2017 academic year

Community

- Contributed to the Humanitarian OpenStreetMap Team (HOT) response efforts in Türkiye and Syria due to the February 6, 2023 earthquakes; performed feature extraction of human-built structures in rural and urban areas of both countries from open source orthoimagery products (42.1 hours)

Last updated: 06/10/2025