CAROLINE NARRON
University of Georgia / Department of Geography
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Education
2017 – Present: **Ph.D. in Geography**, University of Georgia (UGA), Athens, GA
> Overall GPA: 3.96/4.0

2016 – 2017: Ph.D. coursework, University of North Carolina at Charlotte (UNCC), Charlotte, NC
> Major: Geography
> Overall GPA: 4.0/4.0

2014 – 2016: **Master of Science**, University of North Carolina Wilmington (UNCW), Wilmington, NC
> Major: Geoscience – Thesis, Geospatial Science Concentration
> Overall GPA: 3.66/4.0

2010 – 2014: **Bachelor of Science**, University of North Carolina Wilmington (UNCW), Wilmington, NC
> Major: Environmental Science, Environmental Conservation Concentration
> Minor: Geospatial Technologies
> Overall GPA: 3.29/4.0

Research Interests
- Combining field-based techniques with remote sensing to understand key mechanisms that drive productivity and carbon sequestration in coastal wetlands
- Examining land cover changes (with specific interest in coastal environments) and its effects on regional and global climate through the utilization of field, remote sensing, and GIS techniques
- Analyzing potential natural hazard risks such as flooding, sea level rise, etc. and developing solutions/preventative adaptations to current conditions
- Conservation initiatives and their effects on ecosystem dynamics and productivity

Publications
Narron, C.R., O'Connell, J.L., Mishra, D.R., Cotton, D.L., & Alber, M. Reparameterization of the Tidal Marsh Inundation Index (TMII) to Improve Landsat Vegetation Time-Series in Georgia and Gulf Coast Tidal Marshes, *manuscript in progress*

Narron, C.R., Ghoneim, E., Leonard, L., & Aljenaid, S. Assessing the Impact of Climate Change on Spatiotemporal Variations in Coastal Wetlands of Umm Al Quwain, UAE using Geospatial and Field Techniques, *manuscript in progress*

Narron, C.R., & Ghoneim, E. Mapping Drought Risk using Vegetation and Temperature Indices in the Kingdom of Saudi Arabia, *manuscript in progress*

Professional Presentation Experience
Narron, C.R., Mishra, D.R., O'Connell, J.L., Cotten, D.L., Hawman, P., & Mao, L. 2020. Enhanced Tidal Marsh Inundation Index (ETMII). Oral presentation at the *Georgia Coastal Ecosystems LTER Annual Meeting*, Athens, GA, December 14, 2020.

Narron, C. 2020. Invited panelist for GIS @ UGA 2020. GIS in Imagery session. Athens, GA. November 18, 2020.

Narron, C.R., Mishra, D.R., O'Connell, J.L., Cotton, D.L., Hawman, P., & Mao, L. 2019. Assessing tidal wetland above- and belowground net primary production using field and in situ measurements. Oral presentation at the Coastal and Estuarine Research Federation (CERF) 25th Biennial Conference, Mobile, AL, November 3-7, 2019.

Narron, C.R., Mishra, D.R., O'Connell, J.L., & Cotten, D.L. 2019. Reparameterization of the Tidal Marsh Inundation Index (TMII) to Improve Landsat Vegetation Time-Series in Georgia and Gulf Coast Tidal Marshes. Poster presentation at the *Georgia Coastal Ecosystems LTER Annual Meeting*, Athens, GA, January 3-4, 2019.

Narron, C.R., Mishra, D.R., O'Connell, J.L., & Cotten, D.L. 2018. Reparameterization of the Tidal Marsh Inundation Index (TMII) to Improve Landsat Vegetation Time-Series in Georgia and Gulf Coast Tidal Marshes. Poster presentation at the *American Geophysical Union 2018 Fall Meeting*, Washington D.C., December 10-14, 2018.

Narron, C.R., Mishra, D.R., O'Connell, J.L., Cotten, D.L. 2018. Estimating Belowground Biomass and Root:Shoot Ratios of Gulf Coast Salt Marshes using Remote Sensing and Biophysical Data. Oral presentation at the *American Association of Geographers Annual Meeting*, New Orleans, LA, April 10-14, 2018.

Narron, C.R., Chen, G. & Sun W. 2017. Analyzing the Impact of Hydropower Scale on Tropical Forests in the Brazilian Amazon. Oral presentation at the *American Association of Geographers Annual Meetings*, Boston, MA, April 5-9, 2017.

Narron, C.R., Ghoneim, E., Leonard, L., Aljenaid, S., Rizk, Z. A., Marsan, Y., Alshihi, R.M.S., Al-Bloushi, K.A., & Al-Awar, M.M. 2016. Assessing the Impact of Climate Change on Temporal Variations in Coastal Wetlands in the U.A.E. Oral presentation at the *American Association of Geographers Annual Meetings*, San Francisco, CA, March 29-April 2, 2016.

Narron, C.R., Ghoneim, E., Ismail, I.M., Hassan, I.A., Hammam, E., Almeelbi, T.B., & Basahi, J.M. 2015. Mapping Drought Risk of the Kingdom of Saudi Arabia using Geospatial Techniques. Oral presentation at the *American Association of Geographers Annual Meetings*, Chicago, IL, April 21-25, 2015.

Academic Positions
Doctoral Teaching Assistant, Department of Geography, *UGA*, 2018–Present.
Doctoral Research Assistant, Department of Geography, *UGA*, 2017–Present.
Graduate Teaching Assistant, Department of Geography and Geology, *UNCW*, 2014–2016.

Teaching Experience
Introduction to Physical Geography Lab (GEOG 1111L), Lab Instructor, Fall 2020, Spring 2021
Introduction to Landforms (GEOG 1113E), *UGA*, Teaching Assistant, Summer 2020
Resources, Society, and the Environment (GEOG 1125), *UGA*, Teaching Assistant, Fall 2018, Spring 2019
Introduction to Physical Geography Lab (GGYL 130), *UNCW*, Lab Lecturer, Fall 2015, Spring 2016
Advanced Remote Sensing (GGY 428), *UNCW*, Teaching Assistant, Spring 2015, Spring 2016
Quantitative Methods in Earth Sciences (GGY 222), *UNCW*, Teaching Assistant, Spring 2016
Cartography (GGY 220), *UNCW*, Teaching Assistant, Fall 2015
Environmental GIS (GGY 426), *UNCW*, Teaching Assistant, Fall 2015
Remote Sensing for Environmental Analysis (GGY 422), *UNCW*, Teaching Assistant, Fall 2014 (guest lecturer in Fall 2015)
Department of Geography and Geology Walk-In Clinic, *UNCW*, Tutor, Fall 2014-Spring 2016

Remote Sensing Research Experience
UGA, Dissertation Topic, "*Remote sensing of carbon use efficiency and belowground net primary production to understand spatiotemporal variation in tidal wetland carbon storage and resiliency*", supervised by Dr. Deepak Mishra, (Fall 2017–Present).

UNCW, Thesis Topic, "*Assessing the Impact of Climate Change on the Spatiotemporal Variations in Coastal Wetlands of Umm Al Quwain, UAE using Geospatial and Field Techniques*", supervised by Dr. Eman Ghoneim (Fall 2014–Spring 2016).

UNCW, Directed Independent Study, "*Mapping Drought Risk of the Kingdom of Saudi Arabia using Geospatial Techniques*", supervised by Dr. Eman Ghoneim (Fall 2014).

UNCW, Final Project for Environmental GIS course, "*Potential Impacts of the Grand Ethiopian Renaissance Dam on the Dabus Valley Controlled Hunting Area*", supervised by Dr. Eman Ghoneim (Fall 2013).

UNCW, Final Project for Remote Sensing in Environmental Analysis course, "*Urban Expansion in Amman, Jordan: Correlations with Population Growth Rate*", supervised by Dr. Eman Ghoneim (Spring 2013).

Funding, Honors & Awards
2021 Outstanding Teaching Assistant Award nominee, Department of Geography, *UGA*
Doctoral Teaching Assistantship, *UGA*, Department of Geography, Fall 2018–Present
Doctoral Research Assistantship, *UGA*, NASA MODIS Carbon Cycle Grant, Fall 2017–Present
Graduate Teaching Assistantship, *UNCW*, Department of Geography and Geology, Fall 2014–Spring 2016
MS/GS Graduate Student Association Travel Grant, *UNCW*, Spring 2016
Graduate School Travel Award, *UNCW*, Spring 2015 and Spring 2016
North Carolina Veterans Administration Scholarship, Fall 2010-May 2014
Senior Medallion Recipient, *UNCW*, Spring 2014
Leadership Excellence Award, *UNCW*, Spring 2012

Affiliations
GIS Day @ UGA planning committee, Logistics and Planning committee Co-Chair, 2020
Coastal & Estuarine Research Federation, general member, 2019-2020
UGA Geography Graduate Student Association, general member, Fall 2017–Present, faculty representative, Fall 2018–Spring 2019
American Geophysical Union, general member, Fall 2018–Present
American Society for Photogrammetry and Remote Sensing–UGA Chapter, general member, Fall 2017-Present, Treasurer, Fall 2018–Present
Association of American Geographers, general member, Fall 2014-Present
Gamma Theta Upsilon, international geography honor society, Fall 2013-Present