

## NATALIE G. NELSON

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### PROFESSIONAL APPOINTMENTS

- Assistant Professor**, Department of Biological & Agricultural Engineering Aug 2017 – Present  
**Faculty Fellow**, Center for Geospatial Analytics  
**Faculty Affiliate**, Southeast Climate Adaptation Science Center  
North Carolina State University  
Raleigh, NC
- NSF Graduate Research Fellow** Aug 2012 – Aug 2017  
University of Florida  
Department of Agricultural and Biological Engineering  
Gainesville, FL
- Research Affiliate and NSF Graduate Research Intern** Jun 2015 – Aug 2016  
Smithsonian Environmental Research Center  
Edgewater, MD
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### EDUCATION

- PhD, Agricultural and Biological Engineering, University of Florida** Aug 2017  
Interdisciplinary concentration in Hydrologic Sciences  
Dissertation: *Quantifying the spatiotemporal importance of fresh-brackish water quality drivers using aquatic data analytics and models*
- BSc, Agricultural and Biological Engineering, University of Florida** May 2012
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### ADDITIONAL PROFESSIONAL TRAINING

- Sea level rise and coastal ecology: science, policy, and practice** 2017  
University of Florida, Cedar Key, FL
- Google Earth Engine User Summit** 2016  
Google Headquarters, Mountain View, CA
- Norman A. Borlaug Summer Institute on Global Food Security** 2013  
Purdue University, West Lafayette, IN
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### SELECT HONORS & AWARDS

- Outstanding Young Faculty** 2019  
NC State University, Department of Biological and Agricultural Engineering
- Presidential Management Fellows Finalist** 2017  
U.S. Office of Personnel Management
- Outstanding Student Paper Award** 2016  
American Geophysical Union, Hydrology Section

<b>Outstanding Oral Presentation Award</b> Annual International Meeting of the American Society of Agricultural and Biological Engineers, Natural Resources & Environmental Systems Division	2016
<b>Outstanding Teaching Assistant Award</b> National Association of Geoscience Teachers	2015
<b>Graduate Research Internship</b> National Science Foundation	2015
<b>Graduate Research Fellowship</b> National Science Foundation	2012

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## SYNERGISTIC ACTIVITIES

<b>Associate Editor</b> , Journal of Hydrology Working with EIC Nandita Basu.	2020 – Present
<b>Session convener</b> , American Society of Agricultural & Biological Engineers Convening and moderating a session on “Advanced Watershed Analytics and Applications of Machine Learning in Water Resources” for the 2020 Annual International Meeting of the American Society of Agricultural & Biological Engineers.	2020
<b>Guest Associate Editor</b> , Transactions of the ASABE Co-managing the peer review process for manuscripts submitted for publication in a special collection on “Wetland Ecosystem Resilience.”	2019
<b>Guest Associate Editor</b> , Journal of the American Water Resources Association Co-managing the peer review process for manuscripts submitted for publication in a featured collection on “The Emerging Science of Aquatic System Connectivity.”	2018
<b>Session convener</b> , American Geophysical Union Coordinating and moderating a session on “Wetland and Floodplain/Riparian Zone Effects on Water Quality, Quantity, and Ecology in Downstream Waters” for the 2017 Fall Meeting of the American Geophysical Union in New Orleans, LA.	2017
<b>Session convener</b> , American Society of Agricultural & Biological Engineers Introduced and moderated a session on “Leveraging Big Data and Computational Tools for Tackling Water Resources Problems” for the Annual International Meeting of the American Society of Agricultural & Biological Engineers.	2017 – 2018
<b>Co-creator &amp; instructor</b> , Interdisciplinary Honors Seminar Co-developed a course on “Navigating the murky waters of science, society, and wetlands,” and delivered material on watershed hydrology and water quality to a course of 10 dual-enrolled high school students participating in the Student Scientist Training Program at the University of Florida.	2014

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