

John D. Morgan, Ph.D., GISP

Assistant Professor of GIS

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Department of Earth & Environmental Science

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Education/Background

Formal Education

University	Degree	Major	Year
Florida State University	Ph.D.	Geography	2010
<i>Dissertation: A Visual Time Geographic Approach to Crime Event Profiling</i>			
University of Central Florida	M.S.	Management – Management Information Systems	2000
University of Central Florida	B.A.	Economics/Minor in Applied Computer Science	1998

Continuing Education

Organization	Course	Year
Urban and Regional Information Systems Association	GIS Leadership Academy	2019
Innovative Decisions, Inc.	Bayesian Networks Course	2017
UNC Chapel Hill on Coursera	Introduction to Environmental Law and Policy	2016

Professional Certification

Organization	Credential	Year
GIS Certification Institute (GISCI)	Geographic Information Systems Professional (GISP)	2015-

Military Service

Organization	Occupation/Discharge	Year
United States Naval Reserve	Construction Electrician/Honorable	1998
United States Marine Corps Reserve	Aviation Electrician/Honorable	93-97

Professional Experience

Organization	Title	Year
Siemens Westinghouse	Systems Engineer & Analyst	98-04
Florida State University's International Programs	Computer Coordinator/IT Manager	04-09
University of Tampa's Information Technology	University Web Developer	2010
UNC Asheville's National Modeling & Analysis Center	Applied Research Software Designer/Senior Research Scientist	11-15

Scholarship

Funded Projects:

Grants

Role; Team; Project	Source	Amount	Year
<i>Primary Investigator</i> ; Morgan, J.D., Henley, J., Woodruff, M., Day, J. & Turner-Ward, D.; Mapping transboundary viewsheds	UWF-Internal	\$1475	2020
<i>Co-Principal Investigator</i> ; Mbizo, J, Memiah P, Morgan J. D.; HICHR0 Study in Tanzania;	UWF-Internal	\$45,000	2017

Co-Principal Investigator; Steinberg, P.E. & Morgan, J. D. A Visual Time-Geographic Approach to Crime Mapping. Recipient of the Doctoral Dissertation Improvement Grant (Award ID: 0927850)	National Science Foundation	\$11,801	2010
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Contracts

Consulting team member & advisor; Bloechle, A., & Morgan, J.D.; (Flood) Vulnerability Assessment and Mitigation Cost Estimator for Santa Rosa County, FL	Santa Rosa County, FL	\$17,000	2020
Consulting team member & advisor; Jeudevine, L., Mullins, J. & Morgan, J.D.; A Python Scripting Solution for Reading and Writing Between SQL Databases and ArcGIS Online Layers	Santa Rosa County, FL	\$3,881	2019
Consulting team member; Fazio, M., Bloechle, A., Jeudevine, L. & Morgan, J.D.; Identification of Florida Homes at High Risk for Wind Damage; A spatial analysis of Single-Family Homes Built Prior to 2001 in Florida's Wind-Borne Debris Regions	Florida Division of Emergency Management	\$26,162	2018
Project lead; Morgan, J.D., Bloechle, A., Jeudevine, L. & Fazio, M.; Designing & planning for the development of a Web GIS to support Tobacco Free Florida	Florida Department of Health	\$52,000	2018

Publications:

Peer-reviewed Journals

Citation; H-Index if available (source: SJR)	Year
Strode, G., Mesev, V., Bleisch, S., Ziewitz, K., Reed, F., & Morgan, J. D. (2020). Exploratory Bivariate and Multivariate Geovisualizations of a Social Vulnerability Index. <i>Cartographic Perspectives</i> ; H-Index: 12	2020
Strode, G., Morgan, J. D., Mesev, V., Thornton, B., Raua, E., Shortes, S., Johnson, N. (2020). Operationalizing Trumbo's Four Principles for Bivariate Map Color Selection. <i>Cartographic Perspectives</i> . DOI: 10.14714/CP94.1538; H-Index: 12	2020
Douthat, T., Morgan, J.D., Alibašić, H., & Grant, A. (2019). Passive Building Characteristics, and Summertime Residential Energy Use: A Spatial Analysis of Energy Efficiency in Gainesville, FL. <i>Building and Environment</i> , 106542. H-Index: 138	2019
Evans, J., Evans, S. Z., Morgan, J. D., Snyder, J. A. & Abderhalden, F. P. (2018). Evaluating the quality of mid-sized city parks: a replication and extension of the Public Space Index. <i>Journal of Urban Design</i> , DOI: 10.1080/13574809.2017.1411185; H-Index: 41	2018
Ilunga Tshiswaka, D., Ibe-Lamberts, K., Fazio, M., Morgan, J. D., Cook, C. & Memiah, P. (2018). Determinants of stroke prevalence in the southeastern region of the United States. <i>Journal of Public Health</i> , Springer Nature. DOI: 10.1007/s10389-018-0974-9	2018
Morgan, J. D., Snyder, J. A, Evans, S. Z., Evans, J. & Greller, R. (2017). Mapping Perceptions of Safety in Parks. <i>The Florida Geographer</i> . Volume 49; H-Index: 3	2017
Eslinger, R., & Morgan, J. D. (2017). Spatial Cluster Analysis of High-Density Vehicle-Bear Collisions and Bridge Locations. <i>Papers in Applied Geography</i> , 3(2), 171-181, DOI: 10.1080/23754931.2017.1299633; H-Index: 5	2017
	2016

Peer-reviewed book chapters

Alibasic, H. & Morgan, J. D. (2020). Coastal Climate Readiness and Preparedness: Comparative Review of the State of Florida and Cuba. In: Ghosh, M. (eds) Perception, Design and Ecology of the Built Environment pp 121-133, Springer International Publishing. DOI: 10.1007/978-3-030-25879-5_7	2020
Morgan, J. D. and Evans, J. (2018). Aggregation of Spatial Entities and Legislative Redistricting. The Geographic Information Science & Technology Body of Knowledge (2nd Quarter 2018 Edition), John P. Wilson (ed.). DOI:10.22224/gistbok/2018.3.6	2018
Morgan J.D., Steinberg P.E. (2013). Testing the Usability of Time-Geographic Maps for Crime Mapping. In: Leitner M. (eds) Crime Modeling and Mapping Using Geospatial Technologies. Geotechnologies and the Environment, vol 8. Springer, Dordrecht	2013

Conference Activity/Participation:

Invited Talks

Role; Session; Event; Host	Year
<i>Panel Speaker</i> ; Geographic and historical perspectives on redistricting; The Geography of Redistricting May 2-3, 2019 1730 Cambridge St., Cambridge, MA 02138; The Harvard Center for Geographic Analysis	2019
<i>Panel Speaker</i> ; Ideas for Integrating Budget Friendly GIS Hardware and Software Options; GIS of Alabama Conference 2018, Orange Beach, AL.; GIS Association of Alabama	2018
<i>Panel Speaker/Hackathon Participant</i> ; Austin Gerrymandering Workshop a regional site of the Geometry of Redistricting workshop cycle. 1-4 February 2018	2018

Papers Presented

<i>Presenter with colleague and student (Evans, J. & Barrett, E.)</i> ; Flip flop territoriality: A participatory exploration of property rights tension across Florida's beaches Note: this was cancelled/rescheduled due to the 2020 Pandemic	2020
<i>Co-Presenter with Student (Jeremy Mullins)</i> ; Harmonizing the Tabular Present with its Spatial Future" URISA GIS-Pro; New Orleans. 28 September 2019	2019
<i>Co-Presenter with Student (Daniella Sabillion)</i> ; A Time-Geographic Study of Tourist Travel Delay as a Result of Traffic Crashes in Central Florida" URISA GIS-Pro, New Orleans. 28 September 2019	2019
<i>Co-Presenter with Student (Elizabeth Barrett)</i> ; Exploring spatial and ideological variation in town hall meetings across the United States, Association of American Geographers (AAG); Washington, DC. 1 April 2019.	2019
<i>Co-Presenter with Student (Austin Adkinson)</i> ; Exploring; Citizen Science Data & Web Mapping. Association of American Geographers (AAG); Washington, DC. 1 April 2019.	2019
<i>Co-Presenter with Colleagues</i> ; Urban form and Residential Housing Efficiency: Creating a Parametric and a Causal Model of Building". Southern Political Science Association (SPSA), New Orleans. 5 January, 2018	2018
<i>Co-Presenter with Colleagues</i> ; A Pilot Study in Concept Map-based Knowledge Modeling; Seven Hills Regional User Group for GIS (SHRUG)	2017
<i>Presenter</i> ; Mapping Perceptions of Safety in City Parks; North American Cartographic Information Society (NACIS); Montreal, Canada	2017
<i>Co-Presenter with Student (Ray Eslinger)</i> ; High Density Vehicle-Bear Collisions and Bridge Locations; 2016 Applied Geography Conference, Louisville, KY	2016
<i>Presenter</i> ; Mapping Property Rights Tension for Ecosystem Services within Coastal Communities". Association of American Geographers (AAG), San Francisco. 1 April 2016.	2016
<i>Presenter</i> : A Bayesian Network Approach to Exploring Coastal Home Values Given Hurricane Evacuation Zone Change and the Influence of Coastal Amenities; Southeast Division of Association of American Geographers (SEDAAG), Pensacola. 19 November 2015	2015
<i>Presenter</i> : A Bayesian Network Approach to Exploring Coastal Home Values Given Hurricane Evacuation Zone Change and the Influence of Coastal Amenities; Seven Hills Regional User Group for GIS (SHRUG), Tallahassee	2015

Peer-reviewed Conference Proceedings

Morgan, J. D., Hutchins, M. W., Fox, J. F. & Rogers, K. L. (2012). A Methodological Framework focused on integrating GIS and BBN Data for Probabilistic Map Algebra Analysis. <i>Extended Abstracts, GIScience 2012</i> , Columbus.	2012
Morgan, J. D. (2010). Testing the Usability of Time-Geographic Maps. <i>Extended Abstracts, GIScience 2010</i> , Zurich. *Best Poster Award	2010

Teaching:

Courses Taught

Course; Institution; Mode; Level	Year
Advanced Topics in GIS; UWF; Online; Graduate	2016-

Spatial Data Management; UWF; Online; Graduate	2015-
Special Topics in GIS; UWF; Online; Graduate	2015-
GIS Management; UWF; Online; Graduate	2015-
GIS Communication; UWF; Online; Graduate	2015-
GIS Programming; UWF; Online; Graduate	2015-
Applications in GIS; UWF; Online; Graduate	16/17
Cartographic Skills; UWF; Face-to-Face; Graduate	16/17
Data Visualization for Climate Change; UNCA; Face-to-Face; Graduate	12/14
Computer Cartography; FSU; Online; Undergraduate	10/12
World Regional Geography; FSU; Face-to-Face; Undergraduate	09/10

Course-peer Review

Reviewer; Course; Institution; Mode	Year
Quality Matters Peer Review Team (internal & external – Oregon State University); GIS Programming; UWF; Online	2017

Advising/Mentorship:

Capstones Supervised (leading to research products)

Research Product; Student; Capstone Title; Host/Event	Year
<i>National & Regional Conference Presentation</i> ; Austin Adkinson; Designing a web mapping application for water quality sample interpolation (multiple conference presentations)	2019
<i>National Conference Presentation</i> ; Daniela Sabillion; URISA GIS Pro 2019	2019
<i>National Conference Presentation</i> ; Jeremy Mullins; URISA GIS Pro 2019	2019
<i>Regional Conference Presentation</i> ; Samuel Song; FOSS4G in the Government (Proof of Concept); GIS In the Rockies	2018
<i>National Conference Presentation</i> ; Ray Eslinger; 39th Applied Geography Conference - University of Louisville	2016

Internships & Directed Studies Supervised (leading to research products)

Research Product; Student; Topic; Host/Event	Year
<i>National Conference Presentation</i> ; Elizabeth Barrett; Mapping Townhall Meetings	2020
<i>Field Surveys and Book in Progress</i> ; Katherine Sims; Designing & Developing Sketch Maps	2018
<i>Acknowledgement for contribution to Peer-reviewed Publication</i> ; Ethan Barker	2017
<i>Local Conference Presentation</i> ; Elizabeth Evans; GIS & Water Quality; Washington High School Science Academy	2017
<i>Local Conference Presentation</i> ; Austin Adkison; GIS & Water Quality; Escambia County GIS Users Group	2017
<i>Peer-reviewed Publication and National Conference Presentation</i> ; Rachael Greller;	2016
<i>Regional Conference Presentation</i> ; Alex Thigpen; Geo Processing Evacuation Zone; Southeastern Division of the Association of American Geographers	2015

Master's Thesis Committee Membership

Role; Student; Thesis Title	Year
<i>Committee Member</i> ; Megan Russell; The application of an unmanned aerial vehicle to assess a dune's vulnerability	2019
<i>Committee Member</i> ; Emily Harris; A Climatology of Single-Day Rapid Drought Cessation Events in the Southwestern United States	2019
<i>Committee Member</i> ; Chelsea Randell; Late Neogene To Quaternary Soil Evolution Across Relict Terraces in Northwest Florida	2019
<i>Committee Member</i> ; Emma Bickerstaff; Modeling for Apple Snail (<i>Pomacea Paludosa</i>) Recovery in the Florida Everglades Landscape	2018
<i>Committee Member</i> ; Jessica Comeaux; Environmental Contamination in relation to public health in Florida through GIS analysis.	2018
<i>Committee Member</i> ; Chloe Jackson; The Vulnerability of the Property Protection Service to Environmental Stressors in the Gulf of Mexico	2017

Service:

Conference Panels Organized/Chaired

Role; Event; Host Organization	Year
<i>Session Organizer</i> ; Mapping the future of electric vehicles; AAG 2020 meeting in Denver, CO. Association of American Geographers Note: this was cancelled/rescheduled due to the 2020 Pandemic	2020
<i>Session Chair</i> ; Transportation Geography: Analysis and Mapping; AGC 2016 meeting in Louisville, KY; Applied Geography Conference	2016

Hiring Committees

<i>Hiring committee member</i> ; Assistant Professor of Public Health; UWF Department of Public Health	2020
<i>Hiring committee member</i> ; GIS Coordinator; UWF Department of Earth & Environmental Science	2018
<i>Hiring committee member</i> ; Assistant Professor of Environmental Science; UWF Department of Earth & Environmental Science	2017
<i>Hiring committee member</i> ; Postdoctoral Researcher; Hal Marcus College of Science and Engineering	2017
<i>Hiring committee member</i> ; GIS Lab Manager; UWF Department of Earth & Environmental Science	2016
<i>Hiring committee member</i> ; Senior GIS Research Scientist; UWF Department of Earth & Environmental Science	2016
<i>Hiring committee member</i> ; GIS Research Scientist; UWF Department of Earth & Environmental Science	2016

Marketing Participation

<i>University/College Representative</i> ; 2019 Sunshine State Scholars Recruitment Fair; Orlando, FL	2019
<i>Departmental Representative</i> ; Vendor exhibit table; URISA GIS Pro; New Orleans, LA	2019
<i>Departmental Representative</i> ; Vendor exhibit table; Association of American Geographers; New Orleans, LA	2018
<i>Departmental Representative</i> ; Classroom presentation; University of West Georgia, Carrollton, GA	2016
<i>Departmental Representative</i> ; Classroom presentation; Columbus State University, Columbus, GA	2016
<i>Departmental Representative</i> ; Classroom presentation; University of West Georgia, Carrollton, GA	2015

K-12 Science Fair Participation

<i>Science Poster Judge</i> ; West Panhandle Regional Science and Engineering Fair; Hal Marcus College of Science & Engineering	2019
<i>Event Coordinator</i> ; NW Florida Regional Science Olympiad - Road Scholar Event; Hal Marcus College of Science & Engineering	2018
<i>Event Coordinator</i> ; NW Florida Regional Science Olympiad - Road Scholar Event; Hal Marcus College of Science & Engineering	2017
<i>Event Coordinator</i> ; NW Florida Regional Science Olympiad - Road Scholar Event; Hal Marcus College of Science & Engineering	2016

Book Reviews Provided

Role; Citation	Year
<i>Book Reviewer</i> ; Morgan, J. D. (2019). Free the Beaches: The Story of Ned Coll and the Battle for America's Most Exclusive Shoreline, Andrew W. Kahrl (Ed.), Yale University Press, New Haven (2018), 376 pages, US \$28.00 hardcover. <i>Journal of Historical Geography</i> , 65, 101.	2019
<i>Book Reviewer</i> ; Croswell, P. L. (2019). 2nd Edition of the GIS Management Handbook, Kessey Dewitt Publications in association with URISA; Note: \$500 Honorarium to review proceed	2019

Peer-reviews for Journals Provided

Role; Publication	Year
<i>Paper Reviewer</i> ; Transactions in GIS. Wiley	2019
<i>Paper Reviewer</i> ; Transactions in GIS. Wiley	2018
<i>Paper Reviewer</i> ; Transactions in GIS. Wiley	2015

Community Mapping Services Provided

Role; Organization/Beneficiary	Year
<i>Cartographer</i> ; City of Gulf Breeze Parks and Recreation	2018

<i>Cartographer; Weiss Community School</i>	2016
<i>Cartographer; Weiss Community School</i>	2015