


Dr. Timothy L. Hawthorne

Associate Professor of Geographic Information Systems
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Education

- Aug. 2010 Doctor of Philosophy in Geography, The Ohio State University
Dissertation: “A People-Centered GIS Analysis of Healthcare Accessibility and
Quality-of-Care” advised by Dr. Mei-Po Kwan
Recipient of the 2010 E. Willard and Ruby S. Miller Fellowship
GPA: 3.94/4.00
- Aug. 2005 Master of Arts in Geography, West Virginia University
Thesis: “Participatory GIS for Growth Management in the Cheat Lake Planning
District of Monongalia County, West Virginia” advised by Dr. Daniel Weiner
GPA: 4.00/4.00
- May 2003 Bachelor of Arts, *Magna Cum Laude*, Ohio Wesleyan University
Advised by Dr. John Krygier Major: Geography Minor: English
GPA: 3.74/4.00

Academic Appointments

- Aug 2020- Graduate Program Director, University of Central Florida Department of Sociology,
Orlando, FL
- Aug. 2019- Associate Professor of Geographic Information Systems (with tenure), University of
Central Florida Department of Sociology & College of Sciences GIS Cluster,
Orlando, FL
- Aug. 2015- Assistant Professor of Geographic Information Systems (tenure-track), University of
July 2019 Central Florida Department of Sociology & College of Sciences GIS Cluster,
Orlando, FL
- Aug. 2011- Assistant Professor of Geography (tenure-track), Georgia State University

- July 2015 Department of Geosciences, Atlanta, GA
- July 2013-
July 2015 State Coordinator and Director of Research, The Georgia Geographic Alliance funded by the National Geographic Education Foundation
- Oct. 2013-
July 2015 Honors College Faculty Affiliate, Georgia State University
- Dec. 2012-
June 2013 Global Ambassador, Association of American Geographers My Community, Our Earth (MyCOE) Global Connections and Exchanges Program
- Sept. 2011-
July 2015 Affiliated Faculty, Partnership for Urban Health Research, Georgia State University
- Aug. 2010-
July 2011 Assistant Professor of Geography (tenure-track), Columbus State University
Department of History and Geography, Columbus, GA

Editorial Appointments

- 2016- Associate Editor, *Journal of Geography*
2016- Associate Editor, *The International Journal of Applied Geospatial Research*

Professional Appointments

- Apr. 2018- Florida State Geography Steward, National Geographic
May 2020

Peer-Reviewed Articles

Google Scholar All Citations: 459; h-index: 11 as of August 4, 2020

*Graduate student co-author **Undergraduate student co-author

***For all papers listed, first author indicates greatest importance of contribution. Subsequent authors are based on level of contribution with second author providing a higher level of contribution than the third author.

- 2019 Brandt, K.**, Graham, L.*, **Hawthorne, T.L.**, Jeanty, J.**, Burkholder, B.,**, Munisteri, C., Visaggi, C.C. “Integrating sketch mapping and hot spot analysis to enhance capacity for community-level flood and disaster risk management” in *The Geographical Journal*. Online first at <https://rgs-ibg.onlinelibrary.wiley.com/doi/full/10.1111/geoj.12330> (2.357 impact factor from journal site).
- 2019 Yang, B., **Hawthorne, T.L.**, Torres, H., Feinman, M.** (2019). “Using object-oriented classification on multi-spectral UAV mapping for coastal management in the East Central Coast of Florida: a quantitative comparison between UAV, satellite, and aerial products”

- Drones* 3(3),60. Online at <http://dx.doi.org/10.3390/drones3030060>. (2.69 impact factor from journal website)
- 2018 Kibler, K., Cook, G., Chambers, L., Donnelly, M., **Hawthorne, T.L.**, Rivera, F., Walters, L. (2018). “Integrating sense of place into ecosystem restoration: a novel approach to achieve synergistic social-ecological impact” *Ecology and Society* 23(4): 25. Online at <https://doi.org/10.5751/ES-10542-230425> (4.55 impact factor from ResearchGate)
- 2018 Osborne Jelks, N., **Hawthorne, T.L.**, Dai, D., Fuller, C.H., Stauber, C. (2018). “Mapping the Hidden Hazards: Spatial Data Collection of Street-Level Environmental Stressors in a Degraded, Urban Watershed.” *International Journal of Environmental Research and Public Health* 15 (825): 1-15. Online at <http://www.mdpi.com/1660-4601/15/4/825> (2.145 impact factor from journal website)
- 2017 **Hawthorne, T. L.** & Jarrett, O. S. (2018). Developing the Next Generation of Community-Based Scholars. *The Professional Geographer*, 70(2), 291-297. Online at <http://www.tandfonline.com/doi/full/10.1080/00330124.2017.1366780> (1.407 impact factor from journal website)
- 2017 Robinson, J. A., & **Hawthorne, T. L.** (2018). Making space for community-engaged scholarship in geography. *The Professional Geographer*, 70(2), 277-283. Online at <http://www.tandfonline.com/doi/full/10.1080/00330124.2017.1366775> (1.407 impact factor from journal website)
- 2016 Roberts-Gregory, F*. and **Hawthorne, T.L.** (2016). “Transforming green walls into green places: Black middle class boundary work, multidirectional miscommunication and greenspace accessibility in southwest Atlanta.” *Geoforum* 77: 17-27. Online at <http://www.sciencedirect.com/science/article/pii/S0016718515301743>. (2.067 impact factor from journal website)
- 2016 Bennett-Martin, P.*, Visaggi, C.C., and **Hawthorne, T.L.** (2016). “Mapping marine debris across coastal communities in Belize: developing a baseline for understanding the distribution of litter on beaches using geographic information systems.” *Environmental Monitoring and Assessment* 188, 557. Online at <http://link.springer.com/article/10.1007/s10661-016-5544-4> (1.687 impact factor from journal website)
- 2015 Oyana, T. J., Garcia, S. J., Haegele, J. A.*, **Hawthorne, T. L.**, Morgan, J., & Young, N. J. (2015). “Nurturing diversity in STEM fields through geography: the past, the present, and the future.” *Journal of STEM Education: Innovations and Research*, 16(2), 20-29. <http://search.proquest.com/docview/1698632242?pq-origsite=gscholar>

- 2015 Pearsall, H., **Hawthorne, T.**, Block, D., Walker, B. L. E., & Masucci, M. (2015). "Exploring youth socio-spatial perceptions of higher education landscapes through sketch maps." *Journal of Geography in Higher Education*, 39(1), 111-130.
<http://www.tandfonline.com/doi/full/10.1080/03098265.2014.1002079> (1.50 impact factor from ResearchGate)
- 2015 **Hawthorne, T. L.**, Solís, P., Terry, B.*, Price, M., & Atchison, C. L. (2015). "Critical Reflection mapping as a hybrid methodology for examining sociospatial perceptions of new research sites." *Annals of the Association of American Geographers*, 105(1), 22-47.
<http://www.tandfonline.com/doi/full/10.1080/00045608.2014.960041> (2.756 impact factor from journal website)
- 2015 **Hawthorne, T. L.**, Elmore, V.**, Strong, A.**, Bennett-Martin, P.**, Finnie, J.**, Parkman, J.**, & Reed, J. (2015). "Mapping non-native invasive species and accessibility in an urban forest: A case study of participatory mapping and citizen science in Atlanta, Georgia." *Applied Geography*, 56, 187-198.
<http://www.sciencedirect.com/science/article/pii/S0143622814002331> (2.687 impact factor from journal website)
- 2015 **Hawthorne, T. L.** & Fyfe, D. (2015). "The importance of student-led initiatives in rethinking the Ph.D." *GeoJournal*, 80(2), 175-179.
<http://link.springer.com/article/10.1007/s10708-014-9584-4> (1.30 impact factor from SNIP)
- 2014 **Hawthorne, T. L.**, Atchison, C., & LangBruttig, A*. (2014). "Community geography as a model for international research experiences in study abroad programs." *Journal of Geography in Higher Education*, 38(2), 219-237.
<http://www.tandfonline.com/doi/abs/10.1080/03098265.2014.908351> (1.50 impact factor from ResearchGate)
- 2013 **Hawthorne, T. L.**, & Kwan, M. P. (2013). "Exploring the unequal landscapes of healthcare accessibility in lower-income urban neighborhoods through qualitative inquiry." *Geoforum* (50), 97-106. <http://www.sciencedirect.com/science/article/pii/S0016718513001711> (2.067 impact factor from journal website)
- 2013 **Hawthorne, T.** "Community Geography and Participatory GIS in Transitioning Neighborhoods" in Allahwala, A., Bunce, S., Beagrie, L., Brail, S., Hawthorne, T., Levesque, S., & Visano, B. S. (2013). Symposium: Building and sustaining community-university partnerships in marginalized urban areas. *Journal of Geography*, 112(2), 43-57.
<http://www.tandfonline.com/doi/abs/10.1080/00221341.2012.692702> (1.54 impact factor from ResearchGate)
- 2013 Case, C.* & **Hawthorne, T. L.** (2013). "Served or unserved? A site suitability analysis of social services in Atlanta, Georgia using Geographic Information Systems." *Applied Geography*, 38, 96-106.

- <http://www.sciencedirect.com/science/article/pii/S0143622812001385> (2.687 impact factor from journal website)
- 2012 **Hawthorne, T. L.** & Kwan, M. P. (2012). "Using GIS and perceived distance to understand the unequal geographies of healthcare in lower-income urban neighbourhoods." *The Geographical Journal*, 178(1), 18-30. *One of the top ten most downloaded articles in the journal in 2012. <http://onlinelibrary.wiley.com/doi/10.1111/j.1475-4959.2011.00411.x/full> (2.357 impact factor from journal website)
- 2011 **Hawthorne, T. L.** (2011). "Communities, cartography and GIS: Enhancing undergraduate geographic education with service learning." *International Journal of Applied Geospatial Research* 2(2), 1-16. <http://www.igi-global.com/article/communities-cartography-gis/53191> (0.43 impact factor from ResearchGate)
- 2008 **Hawthorne, T.**, Krygier, J., & Kwan, M. P. (2008). "Mapping ambivalence: Exploring the geographies of community change and rails-to-trails development using photo-based Q method and PPGIS." *Geoforum*, 39(2), 1058-1078. <http://www.sciencedirect.com/science/article/pii/S0016718507001753> (2.067 impact factor from journal website)

Peer-Reviewed Encyclopedia Entry

- 2017 **Hawthorne, T.L.** (2017). Mixed-Method Approaches. *The International Encyclopedia of Geography*. 1–4. Available online at <http://onlinelibrary.wiley.com/doi/10.1002/9781118786352.wbieg0977/full>

Peer-Reviewed Book Chapter

- 2006 **Hawthorne, T. L.**, Dougherty, M., Elmes, G., Fletcher, C., McCusker, B., Pinto, M., and Weiner, D. (2006). "Beyond the public meeting: Building a field-based participatory geographic information system for land use planning in Monongalia County, West Virginia. In S. Balram & S. Dragicevic (Eds.), *Collaborative Geographic Information Systems*. USA: Idea Group Inc.

Peer-Reviewed Manuscripts under Review/In Preparation

*Graduate student co-author

**Undergraduate student co-author

***For all papers listed, first author indicates greatest importance of contribution. Subsequent authors are based on level of contribution with second author providing a higher level of contribution than the third author.

- 2020 Rees, A., **Hawthorne, T.L.**, Scott, D.*, Spears, E., Solis, P. "Community Geography Pedagogy: Partnership, Process, Reciprocity, and Reflection" under revision in *Journal of Geography*.

- 2020 Yang, B., Liu, H., Kang, E., **Hawthorne, T.**, Tong, S., Shu, S. “Accessing traffic volume impacts on urban heat effect in Beijing using Thermal Remote Sensing and Statistical Models” under review in *Remote Sensing of Environment*.
- 2020 Fischer, H., Block, D., Bosse, A., **Hawthorne, T.L.**, Jung, J-K., Pearsall, H., Rees, A., Shannon, J. “Doing Community Geography” under revision in *GeoJournal*.
- 2020 Atchison, C.L., **Hawthorne, T.L.**, Torres, H., Bencivenga, P., Haralson, J., Relyea, D., Visaggi, C.C. “Designing Inclusive Community-Based Geography Research Experiences across the Spectrum of Ability” under review in *Journal of Geography in Higher Education*.
- 2020 Torres, H., Rivera, F., **Hawthorne, T.L.**, Graham, L.* “Perceptions of Coastal Resources and Restoration in Indian River Lagoon, Florida” under review in *Ambio: A Journal of the Human Environment*.
- 2020 Yang, B., **Hawthorne, T.L.**, Hessing-Lewis, M., Reshitnyk, L., Feinman, M., Searson, H. “Implementing an Introductory Drone Mapping Training Program for Coastal Seagrass Monitoring” in preparation for August 2020 submission to *Drones*.
- 2020 **Hawthorne, T.L.**, Torres, H., Brandt, K.*, Darlington, R.**, Rutstein, A.**, Visaggi, C.C. “A Novel Approach for Integrating Qualitative GIS to Understand the Role of Sense of Place in Marine Debris Research” in preparation for September 2020 submission to *Marine Pollution Bulletin*.

Funded Research and Teaching Grants**

****\$4,729,767 in Funded Grants as PI or Co-PI since 2010.**

- 2020-2023 \$465,968, **Hawthorne, T.L. (PI)** and Torres, H. (Co-PI). “REU/RET Site: Preparing the Next Generation of Scholars through Community Geographic Information Systems and Citizen Science” from the National Science Foundation Social, Behavioral and Economic Sciences Office of Multidisciplinary Activities Research Experiences for Undergraduates Program (NSF Award #1950227): September 2020-August 2023. 100% UCF credit.
- 2020-2021 \$36,000, **Hawthorne, T.L. (PI)**. “Research Experiences for Teachers Supplement for Collaborative Research: The role of a keystone pathogen in the geographic and local-scale ecology of eelgrass decline in the eastern Pacific” from the National Science Foundation Division of Ocean Sciences Biological Oceanography Program (NSF Award #2015212): April 2020-July 2021. 100% UCF credit.
- 2018-2021 \$1,302,932, Duffy (PI), Gomes (Co-PI), Harvell (Co-PI), **Hawthorne (Co-PI)**, Stachowicz (Co-PI). “Collaborative Research: The role of a keystone pathogen in the geographic and local-scale ecology of eelgrass decline in the eastern Pacific” from the National Science Foundation Division of Ocean Sciences Biological Oceanography

- Program (NSF Award #1829890): August 2018-July 2021. 100% UCF credit: \$318,963.
- 2020-2021 \$98,000, **Hawthorne, T.L. (PI)**. “High Resolution Drone Imagery and Geographic Information Systems Support for Orange County, Florida” from Orange County, Florida Utilities Department: February 2020-January 2020. 100% UCF credit.
- 2019-2020 \$9,000, **Hawthorne, T.L. (PI)** and Torres, H. (Co-PI). “GeoBus at UCF” from the City of Orlando Mayor’s Matching Grant Program. 100% UCF credit.
- 2018-2019 \$3500, **Hawthorne, T.L. (PI)** and Torres, H. (Co-PI). “Promoting Geospatial Technology and STEAM Learning Experiences in Florida through GeoBus” from IBM Corporate Citizenship Discretionary Grant Program: September 2018-August 2019: 100% UCF credit.
- 2018-2020 \$36,743, Shannon, J. (PI), Hankins, K. (Co-PI), **Hawthorne, T.L. (Co-PI)**, Robinson, J. (Co-PI), and Block, D. (Co-PI). “Conference: Expanding the Reach of Community Geography” to the National Science Foundation Geography and Spatial Sciences Division (NSF Award #BCS-1832252): September 2018-February 2020. 100% UCF credit: no money to UCF.
- 2018-2019 \$9,921, **Hawthorne, T.L. (PI)**. “Diocese of Orlando Boundary Mapping Project” from the Catholic Diocese of Florida Foundation: September 2018-May 2019. 100% UCF credit.
- 2018 \$250, **Hawthorne, T.L.** “Powerful Geographies through Maps, Apps, and Drones” to Support Conference Travel to the Powerful Geographies Conferences in San Jose, Costa Rica from the UCF College of Sciences Faculty Travel Funds.
- 2017-2020 \$75,000, **Hawthorne, T.L. (PI)**. “Supplemental Funding for Open Reef Belize” as part of “Preparing the Next Generation of Scholars through Community Geographic Information Systems and Citizen Science” to the National Science Foundation Social, Behavioral and Economic Sciences Office of Multidisciplinary Activities Research Experiences for Undergraduates Program (NSF Award #1560015): June 2017-August 2020. 100% percent UCF credit.
- 2016-2022 \$1,600,000, Walters, L. (PI), Kibler, K. (Co-PI), **Hawthorne, T.L. (Co-PI)**, Chambers, L. (Co-PI), Rivera, F. (Co-PI). “CNH-L: Restoration and Resilience in Coupled Human-Natural Systems: Reciprocal Dynamics of a Coastal Lagoon” from the National Science Foundation Coupled Natural-Human Systems Program (NSF Award #1617374): August 2016-January 2022. 14% UCF credit: \$224,000.
- 2016-2020 \$374,480, **Hawthorne, T.L. (PI)** and Visaggi, C.C. (Co-PI), “Preparing the Next Generation of Scholars through Community Geographic Information Systems and Citizen Science” from the National Science Foundation Social, Behavioral and Economic Sciences Office of Multidisciplinary Activities Research Experiences for Undergraduates Program (NSF Award #1560015): March 2016-August 2020. 100% UCF credit.

- 2018 \$1500, Cox, J. (PI), Carter, S., (Co-PI), **Hawthorne, T.L. (Co-PI)**, Hinojosa, M. (Co-PI), “Barriers to Success: A STEM Training Project Exploring the Educational Experiences of Hispanic Students attending a Hispanic Serving Institution” from the UCF Department of Sociology Internal Grants Competition.
- 2016-2019 \$30,000, **Hawthorne, T.L. (PI)**, “Mapping Coastal Communities in Belize through Community GIS and Citizen Science” from University of Central Florida Office of Research and Commercialization NSF REU Matching Grant: June 2016-August 2019. 100% percent UCF credit.
- 2016 \$3,000, **Hawthorne, T.L. (PI)**, “Addressing Social and Environmental Disparities in Belize” from University of Central Florida International Affairs and Global Strategies Grants Program: February 2016-June 2017. 100% UCF credit.
- 2012-2015 \$350,000, **Hawthorne, T.L. (PI)** & Hankins, K.B. (Co-PI) “REU Site: Addressing Social and Environmental Disparities through Community Geography and Geographic Information Systems” from the National Science Foundation Social, Behavioral and Economic Sciences Office of Multidisciplinary Activities Research Experiences for Undergraduates Program (NSF Award #1156755): February 15, 2012 – July 31, 2015.
- 2014-2015 \$75,000, **Hawthorne, T.L. (PI)**, “The Urban Atlanta Geospatial STEM Academy: Preparing High School Students for Geospatial Technology Careers” awarded from The Verizon Foundation: November 2014-November 2015.
- 2014 \$27,500, **Hawthorne, T.L. (PI)** and Visaggi, C. (Co-PI), “The Georgia Geographic Alliance Operations, Community, and Policy” awarded from the National Geographic Education Foundation: September 2014-July 2015.
- 2014 \$3,000, **Hawthorne, T.L. (PI)**, “The Applied Geography Conference at Georgia State University” to the Georgia State University Conference Support Competition: August-December 2014.
- 2013-2014 \$83,000, Miller, B. (PI) and **Hawthorne, T.L. (Co-PI)**, “ATLmaps Year Two” to the Georgia State University CITIES Grant Competition: May 31, 2013 - June 2014.
- 2013-2014 \$27,000, **Hawthorne, T.L. (PI)** and Visaggi, C.C. (Co-PI), “The Georgia Geographic Alliance” from the National Geographic Education Foundation Network of Alliances for Geographic Education: October 2013-November 2014.
- 2013 \$1500, Visaggi, C. (PI) and **Hawthorne, T.L. (Co-PI)**, “Connecting Pre-Service Teachers with the Atlanta Community Mapping and Research Center: Exploring Geology & Biology through the Lens of Geography” from the University System of Georgia STEM II Initiative: June-August 2013.

- 2012-2013 \$43,700, Miller, B. (PI) & **Hawthorne, T.L. (Co-PI)**, “ATLmaps: Creating a Geographic Research and Teaching Platform for Atlanta” from the Georgia State University CITIES Grant Competition: July 1, 2012 - June 30, 2013
- 2013 \$5000, **Hawthorne, T.L. (PI)**, NSF Early Career Award Funding Request for “CAREER: Integrating Citizen Science, Community Participation, and Qualitative Geographic Information Systems to Explore Accessibility to Urban Opportunities” to the Georgia State University Funding to Support Federal Grant Submissions Competition: April-July 2013.
- 2012-2013 \$4000, **Hawthorne, T.L. (PI)**, C. Atchison (Co-I), J. Diem (Co-I), C. Visaggi (Co-I), and O. Jarrett (Co-I), “Creating a Nationwide Geospatial Data and Mapping Infrastructure in Belize using Community Geographic Information Systems” from the Georgia State University International Strategic Initiative: September 1, 2012-June 30, 2013.
- 2012 \$6000, **Hawthorne, T.L. (PI)**, Hamil Pearsall (Co-PI), Barbara Walker, (Co-PI), Daniel Block (Co-PI), “Campus Mapscapes: Understanding Youth Perceptions of Higher Education Landscapes” from the AAG Catalyzing Research on Geographies of Broadening Participation Mini-Grant Competition sponsored by the National Science Foundation: May 30, 2012 - December 31, 2012
- 2012 \$4200, Oyana, T. (PI), Edmunds, K. (Co-PI), Garcia, S., **Hawthorne, T.L. (Co-PI)**, Organ, D.J. (Co-PI), Morgan, L.J. (Co-PI), and N. Young (Co-PI), “Using Geography as a Gateway to STEM fields: Broadening Participation of Underrepresented Communities Through Inquiry-Based Programs” from the AAG Catalyzing Research on Geographies of Broadening Participation Mini-Grant Competition sponsored by the National Science Foundation: May 30, 2012 - December 31, 2012
- 2012-2013 \$10,000, **Hawthorne, T.L. (PI)**, “Community Geographic Information Systems (GIS) Analysis of Public Housing De-Concentration in Atlanta, Georgia” from the Georgia State University Cleon C. Arrington Research Initiation Grant: July 1, 2012 - June 30, 2013
- 2012 \$7058, **Hawthorne, T.L. (PI)** & K.B. Hankins (Co-PI), “Enhancing STEM Research Experiences through Community Geography & Geographic Information Systems” to the University System of Georgia STEM II Initiative: April 20, 2012 - August 15, 2012
- 2012-2013 \$2000, **Hawthorne T.L. (PI)**, “Writing Across the Curriculum Course Development Grant for Digital Cartography” to the Georgia State University Writing Across the Curriculum (WAC) Course Development Program: April 2012 - May 2013
- 2011-2012 \$9215, **Hawthorne, T.L. (PI)** & Dajun Dai (Co-I), “Enhancing STEM Education through Field-Based Problem Solving and Real-World Applications of Geographic Information Systems” from the University System of Georgia STEM II Initiative: 2011- 2012

- 2011 \$9000, K. Derickson (PI), K.B. Hankins (Co-I), D. Deocampo (Co-I), **T.L. Hawthorne (Co-I)**, J. Patico (Co-I), “Resilience From Below: Community Collaboration and International Comparative Urbanism in Glasgow and Atlanta” from the Georgia State University International Strategic Initiative: 2011
- 2011 \$1000, **Hawthorne, T.L. (PI)**, “Geographic Information Systems in Belize: A Focus on Communities, Fieldwork and Service” to the Georgia State University International Education Study Abroad Program Development for Site Visits: 2011
- 2011 \$2800, Tompson, D. (Co-PI) and **Hawthorne, T.L. (Co-PI)**, “Columbus State University Campus Internationalization Fund Study Abroad Program Development Grant in Belize;” 2011
- 2011 \$1200, **Hawthorne, T.L. (PI)**, Columbus State University Faculty Development Grant
- 2010-2011 \$2500, **Hawthorne, T.L. (PI)**, Columbus State University College of Letters and Sciences Faculty Research Award: 2010-2011
- 2010-2011 \$1000, **Hawthorne, T.L. (PI)**, Columbus State University College of Letters and Sciences Faculty Research Award: 2010-2011
- 2010-2011 \$5000, The Columbus Foundation Neighborhood Partnership Grant for “Mapping the Past and Future in Near East Columbus: A Focus on Youth and the Arts” with the Mt. Vernon Avenue District Improvement Association: 2010-2011
- 2010-2011 \$3500, The United Way of Central Ohio Asset-Based Communities Grant for “The Columbus, Ohio Food Access Network” with Central Community House: 2010-11
- 2008-2009 \$2000, The Ohio State University Graduate School Alumni Grant for Graduate Research and Scholarship (AGGRS): 2008-2009
- 2008-2009 \$3500, The Ohio State University University/Community Service-Learning Grant for Course Development & Enhancement of Geography 580S with Ola Ahlqvist and OSU African American & African Studies Community Extension Center: 2008-2009
- 2008 \$2000, Ohio State University Department of Geography Summer Research Award
- 2003 \$2000, Ohio Campus Compact Student Citizen Fellowship Award

Submitted Research and Teaching Grants

- 2020 \$674,998, Cummings, A. (PI), **Hawthorne, T.L. (Co-PI)**, Matthews, A. (Co-PI), Roger, S. (Co-PI), Padilla, N. (Co-PI). “Collaborative Research: Assessing Unoccupied Aircraft Systems Value As A Part Of The Citizen Scientist Toolkit” to the National Science

- Foundation Science and Technology Studies Program: submitted August 3, 2020: under review.
- 2020 \$30,000, **Hawthorne, T.L. (PI)**. “GeoBus: Driving Geospatial Technology Education Across Florida” to the National Geographic Society Explorers Grant Competition: submitted January 10, 2020: under review.
- 2019 \$25,000, **Hawthorne, T.L. (PI)** and Matta, K. “GeoBus: Driving Science’s Next Generation Across Central Florida” to the State Farm Good Neighbor Citizenship Grants Program submitted October 31, 2019: unfunded.
- 2019 \$75,000, **Hawthorne, T.L. (PI)** and Torres, H. (Co-PI). “GeoBus: A Mobile Education Platform Driving Geospatial Technology Learning Experiences to Florida K-12 Schools” to the American Honda Foundation: submitted January 28, 2019: unfunded.
- 2019 \$752,350, Cummings, A. (PI), Frazier, A. (Co-PI), **Hawthorne, T.L. (Co-PI)**, Matthews, A. (Co-PI), Padilla, N. (Co-PI). “Collaborative Research: Eyes In The Sky And Feet On The Ground: Assessing Unmanned Aircraft Systems Value As A Part Of The Citizen Scientist Toolkit” to the National Science Foundation Science, Technology and Society Program: submitted August 5, 2019: unfunded.
- 2019 \$20,000, **Hawthorne, T.L. (PI)**. “Toward a More Community-Based Geographic Education for the Next Generation” to the National Geographic Education Fellowship Competition submitted October 7, 2019: unfunded.
- 2019 \$100,000, **Hawthorne, T.L. (PI)** and Torres, H. (Co-PI). “University of Central Florida GeoBus” to the Disney Grants Competition: submitted May 31, 2019: unfunded.
- 2019 \$738,048, Cummings, A. (PI), **Hawthorne, T.L. (Co-PI)**, Frazier, A. (Co-PI), Matthews, A. (Co-PI). “Collaborative Research: Eyes In The Sky And Feet On The Ground: Assessing Unmanned Aircraft Systems Value As A Part Of The Citizen Scientist Toolkit” to the National Science Foundation Science, Technology and Society Program: submitted February 4, 2019: unfunded.
- 2018 \$1,845,103, Danna, S. (PI), Dupigny-Giroux, L.A. (Co-PI), **Hawthorne, T.L. (Co-PI)**. “Collaborative Research: The SWAC-Geodrone Professional Learning Collaborative: Enhancing efficacy and stewardship through NGSS-embedded STEM pedagogy and experiences” to the National Science Foundation Discovery Research K-12 Competition: submitted November 14, 2018: unfunded.
- 2018 \$1,999,594, Lippitt, C. (PI) & **Hawthorne, T.L. (Co-PI)**. “Flying Sky High with STEM” to the National Science Foundation Advancing Informal STEM Learning Competition: submitted November 7, 2018: unfunded.
- 2018 \$20,000, **Hawthorne, T.L. (PI)**. “A Public Scholar’s Take on Geographic Exploration and Education” to the National Geographic Education Fellowship Competition submitted July 13, 2018: unfunded.

- 2018 \$15,000, **Hawthorne, T.L. (PI)** and Torres, H. (Co-PI). “Promoting Geospatial Technology and STEAM Learning Experiences in Florida through GeoBus” to the HDR Foundation submitted May 24, 2018: unfunded.
- 2018 \$40,000, Emrich, C. (PI), **Hawthorne, T.L. (Co-PI)**, Worthy, (Co-PI). “Indian River Lagoon WaterWaze Project” to Harris Corporation submitted April 2018: unfunded.
- 2017 \$1,957,554, Lippitt, C. (PI), Fierro, R. (Co-PI), **Hawthorne, T.L. (Co-PI)**, Jones, M. (Co-PI), Lippitt, C.L. (Co-PI). “Flying Sky High with STEM” to the National Science Foundation Advancing Informal STEM Learning Competition: submitted November 6, 2017: unfunded.
- 2017 \$21,401, Shannon, J. (PI), Hankins, K. (Co-PI), **Hawthorne, T.L. (Co-PI)**, and Block, D. (Co-PI). “Expanding the Reach of Community Geography” to the National Science Foundation Geography and Spatial Sciences Division: submitted September 8, 2017: competitive and recommended for funding, invited resubmission for March 2018.
- 2016 \$416,190, **Hawthorne T.L. (PI)** and Li, Y. (Co-PI). “The Geospatial STEM Academy: Preparing High School Students for Geospatial Technology Careers through Citizen Science and Community Engagement” to the United Technologies Grants Competition: submitted June 30, 2016: unfunded.
- 2016 \$25,000, **Hawthorne, T.L. (PI)**. “The Open Reef Mapping Society: Flying Drones and Building Apps to Explore Climate Change on Belize Barrier Reef Islands” to the Google Rise Award Competition: submitted September 23, 2016: unfunded.
- 2016 \$30,000, **Hawthorne, T.L. (PI)** & Walters, L (Co-PI). “Participatory GIS and Living Shoreline Restoration in a Lagoon in Crisis: Combining Social and Natural Science to Improve Degraded Coastal Areas” to the University of Central Florida College of Sciences and UCF Office of Research and Commercialization Seed Grant Competition: submitted March 21, 2016: unfunded.
- 2016 \$20,000, Li, Y. (PI, University of Central Florida), Srivastava, G. (PI, Florida Hospital), **Hawthorne, T.L., (Co-PI)**. “Promoting Physical Activity of Elementary School Students through Geospatial STEM Education” to The Central Florida Health Research Grants Program: submitted March 1, 2016: unfunded.
- 2014 \$406,467, **Hawthorne, T.L. (PI)** and Visaggi, C.C. “Renewal REU Site: Addressing Social and Environmental Disparities through Community Geography and Geographic Information Systems in Belize” to the National Science Foundation Research Experiences for Undergraduates Program submitted August 27, 2014: unfunded but recommended for funding.
- 2014 \$28,500, **Hawthorne, T.L. (PI)** “Community Geographic Information Systems, Mapping, and Citizen Science in Belize” to the United States Fulbright Core Faculty Fellowship Program sponsored by the United States Department of State Bureau of Educational and Cultural Affairs submitted August 1, 2014: unfunded.

- 2013 \$249,993, **Hawthorne, T.L. (PI)**, C. Visaggi (Co-PI), and J. Diem, (Co-PI), “IRES: International Research Experiences for Students in Community Geography and Geographic Information Systems in Belize” to the National Science Foundation International Research Experiences for Students (IRES) Program, Proposal #7394921 submitted August 20, 2013: unfunded but positively reviewed.
- 2013 \$585,365, **Hawthorne, T.L. (PI)**, “CAREER: Utilizing Community Geography and Geographic Information Systems to Explore Accessibility to Urban Food Opportunities” to the National Science Foundation Faculty Early Career Development (CAREER) Program, Proposal #1351596 submitted July 23, 2013: unfunded.
- 2013 \$67,333, Mingo, C. (PI) & **Hawthorne, T.L. (Co-PI)**, “Aging in Place in Urban Atlanta: An Interdisciplinary Examination of Objective and Perceived Neighborhood Quality and Health with Older Adults around Atlanta Beltline Communities” to the Georgia State University CITIES Grant Competition, submitted March 29, 2013: unfunded but positively reviewed.
- 2012 \$250,000, **Hawthorne, T.L. (PI)**, C. Atchison (Co-PI), J. Diem (Co-PI), and C. Visaggi (Co-PI), “IRES: International Research Experiences for Students in Community Geography and Geographic Information Systems in Belize” to the National Science Foundation International Research Experiences for Students (IRES) Program, Proposal #1261112 submitted August 21, 2012: unfunded but positively reviewed.
- 2012 \$772,295, Atchison, C. (PI) & **Hawthorne, T.L. (Co-PI)**, “RDE MB 1: A Model Graduate Level Pathway to Geoscience Careers for Students with Physical Disabilities” to the National Science Foundation Research in Disabilities Education Model Building: Level 1, Proposal #1246599 submitted June 1, 2012: unfunded but recommended for funding.
- 2012 \$46,945, Robinson, J. (PI), **Hawthorne, T.L. (Co-PI)**, and D. Block (Co-PI), “Developing an International Network for Community Geography Scholars and Practitioners: A Collaborative Workshop to Broaden Participation in Geography Research” Proposal #1263549 to the National Science Foundation Geography and Spatial Sciences Program, submitted September 13, 2012: unfunded but recommended for funding.

Invitations to Scholarly Retreats

- 2018 Invited Scholar, “National Geographic Education Summit” sponsored by the National Geographic Society, Washington, DC, October 28-29, 2018.
- 2018 Invited Scholar, “MarineGEO Workshop: Integrating MarineGEO with Field Education” sponsored by Smithsonian Institution, Corpus Christi, TX, March 26-27, 2018
- 2016 Invited Scholar, “Pan Research Experiences for Undergraduates Principal Investigator Planning Meeting” sponsored by the National Science Foundation, Rosslyn, VA, April 29-30, 2016

- 2014 Invited Scholar, “GIS and Education Summit” at National Geographic Society: Washington, DC, October 27-28, 2014
- 2014 Invited Scholar, “Sustainability across the Curriculum” Scholarly Workshop and Retreat sponsored by Georgia State University and the Ray C. Anderson Foundation: Atlanta, GA, January 9-10, 2014
- 2012 Invited Scholar, “Catalyzing Research on Geographies of Broadening Participation” Scholarly Retreat sponsored by the Association of American Geographers and the National Science Foundation, Temple University: Philadelphia, PA, March 29 - April 1, 2012

Invited Presentations and Workshops

- 2020 “The Golden Rule for Our Next Generation” to the Learning Institute for Elders (LIFE) at University of Central Florida, Orlando, FL, April 9, 2020, Virtual presentation due to COVID-19.
- 2019 “The Power of People in Science” American Association of Geographers and Gamma Theta Upsilon Visiting Geographical Scientist Presentation at Western Michigan University Department of Geography, Kalamazoo, MI, September 13, 2019.
- 2019 “The Power of People and Geospatial Technologies in Science” American Association of Geographers and Gamma Theta Upsilon Visiting Geographical Scientist Presentation at Kalamazoo Valley Community College, Kalamazoo, MI, September 12, 2019.
- 2019 “The Golden Rule for Our Next Generation” Keynote Address to the Central Florida GIS Workshop, Daytona Beach, FL, September 10, 2019.
- 2018 “The Golden Rule in Geospatial Technology Research” Keynote Address at the Esri Oceans Forum, Redlands, CA, November 7, 2018.
- 2018 “The Golden Rule in Geographic Research and Education” to the National Geographic Education Summit, Washington, DC, October 29, 2018
- 2018 “People and Geospatial Technologies in Belize and Beyond” (web presentation) to the University of Connecticut Department of Geography, Storrs, CT, October 4, 2018.
- 2018 “The Power of People and Geospatial Technologies” to University of Central Florida Learning Institute for Elders (LIFE), Orlando, FL, September 25, 2018.
- 2018 “The Importance of People in Geospatial Technologies Research” at the Ohio Wesleyan University Science Lecture Series, Delaware, OH, September 20, 2018.
- 2018 “The Power of People and Geospatial Technologies” Keynote Address at the Central Florida GIS Workshop, Daytona Beach, FL, September 11, 2018.

- 2018 “Connecting Community with Maps, Apps, and Drones” Keynote Address at the North Country Climate Reality Conference hosted by State University of New York-Plattsburgh at Queensbury Campus and Green Mountain College, Queensbury, NY, April 20, 2018.
- 2018 “The (Often Forgotten) Importance of People in Geospatial Technologies” Marsico Visiting Scholar Address at the University of Denver Department of Geography and the Environment, Denver, CO, February 22, 2018.
- 2018 “Connecting Communities through Mapping and Drones in Belize” at the University of Vermont Department of Geography, Burlington, VT, February 9, 2018.
- 2018 “Open Reef Drone Mapping and Training” Capacity-Building Workshop at Belize Coastal Zone Management Authority and Institute, Belize City, Belize, January 10, 2018.
- 2017 “The Power of People and Geospatial Technologies in Belize” Keynote Address to the 10th Annual University of Central Florida International Education Week Breakfast, Orlando, FL, November 13, 2017.
- 2017 “Engaging Communities with Maps, Apps, and Drones” Address to the UCF College of Sciences Distinguished Speaker Series, Orlando, FL, October 11, 2017.
- 2016 “Community Mapping and Collaboration” to the University of Central Florida Participatory Research and Design Network, Orlando, FL, April 20, 2016.
- 2015 **Hawthorne, T.L.** and Cano, A. “Cohune Palm Extraction in the Golden Stream Corridor Preserve” at the University of Belize GIS Day Symposium, Belmopan, Belize, November 13, 2015.
- 2015 “Droning On: The Power of Drone Mapping in Collaborative Conservation Research” at the Cullowhee Native Plant Conference at Western Carolina University, Cullowhee, NC, July 17, 2015.
- 2015 “From Digital Dust to Community Action: The Role for Community Geography & GIS in Greenspace Accessibility Research” at The University of Central Florida, Orlando, FL, February 19, 2015.
- 2015 “Accessing Greenspace in Atlanta, GA: A Community Geography Perspective” at The Polish Academy of Sciences Institute of Geography and Spatial Organization, Warsaw, Poland, January 8, 2015.
- 2014 “Examining Greenspace Accessibility and Healthy Landscapes in Atlanta, Georgia” at the University of Miami Department of Geography and Regional Studies, Coral Gables, FL, December 3, 2014.
- 2014 “Exploring Community Perspectives of Greenspace (In)Accessibility in Atlanta, Georgia” at the University of Georgia Department of Geography, Athens, GA, November 13, 2014.

- 2014 “Finding the Urban Forest with Community Geography: Examining Greenspace Accessibility in Atlanta, GA” at Kent State University Department of Geography, Kent, OH, September 5, 2014.
- 2014 “Building Collaborative Geographic Information Systems and Drone Mapping Capacity in Belize” (invited talk and invited workshop leader) at The University of Belize, Belmopan, Belize, July 29, 2014.
- 2014 “Using Mobile Technologies for Mapping Neighborhoods” (invited talk and invited workshop leader) at The University of South Carolina and The South Carolina Geographic Alliance, Columbia, SC, January 18, 2014.
- 2013 “Community Mapping for Sustainability Workshop” at Skidmore College’s GIS Center for Interdisciplinary Research, Saratoga Springs, NY, November 19, 2013.
- 2013 “Mapping Campus-Community Collaborations: Community Geography to Empower Communities and to Understand Sustainability” at Skidmore College, Saratoga Springs, NY, November 18, 2013.
- 2013 “Whose Greenspace is it Anyway? Exploring the Complexities of Accessibility to Urban Greenspace with Community Geography” at West Virginia University Department of Geology and Geography, Morgantown, WV, September 20, 2013.
- 2013 “The Power of Community Geography” at Brown University’s Center for Environmental Studies, Providence, RI, May 2, 2013.
- 2012 **Hawthorne, T.L.**, Pearsall, H. and D. Block, “Engaging Communities to Increase Spatial Knowledge Production in Geographic Research” at The University of California Santa Barbara, Santa Barbara, CA, November 2, 2012.
- 2012 “Mixed Methods and Service Learning in Community Geography Research” at Morehouse College, Atlanta, GA, October 2, 2012.
- 2012 “A Healthier and Engaged Public through Public Participation GIS & Community Geography” at The 8th Annual GIS Day Conference and Training Workshop at The University of Albany (State University of New York) School of Public Health, Albany, NY, April 24, 2012.
- 2012 “Mapping Perceptions and Experiences of Urban Spaces through Qualitative Network Analysis” at the Wales Institute of Social and Economic Research at Cardiff University, Cardiff, Wales (UK), March 19, 2012.
- 2011 “Critical Reflections on Urban Community Geography: The Synergies of Research, Pedagogy and Community Engagement” in the Department of Geosciences at Georgia State University, Atlanta, GA, April 2011.

- 2010 “Maps2Serve: Serving the Community with Cartography” at the Applied Geography Specialty Group Paper Competition Session at the Association of American Geographers Annual Meeting, Washington DC, April 16, 2010.
- 2010 “A People-Centered GIS Analysis of Healthcare Accessibility and Quality of Care” in the Department of Earth and Resource Sciences at The University of Michigan-Flint, Flint, MI, March 2010.
- 2010 “A People-Centered GIS Analysis of Healthcare Accessibility and Quality of Care” in the Department of History and Geography at Columbus State University, Columbus, GA, March 2010.
- 2010 “A People-Centered GIS Analysis of Healthcare Accessibility and Quality of Care” in the Department of History and Government at Fayetteville State University, Fayetteville, NC: March 2010.
- 2010 “A People-Centered GIS Analysis of Healthcare Accessibility and Quality of Care” in the Department of Geology and Geography at Georgia Southern University, Statesboro, GA, February 2010.
- 2009 “A People-Centered GIS Analysis of Healthcare Accessibility and Quality of Care” in the Department of Geography at University of North Alabama, Florence, AL, December 2009.
- 2009 “Serving the Community with Cartography: Lessons Learned from Geography 580S” part of The Ohio State University Center for Urban and Regional Analysis Roundtable Series, Columbus, OH, April 24, 2009.

Professional Presentations

*Graduate student **Undergraduate student

- 2020 **Hawthorne, T.L.**, “Community-based Research Experiences Abroad for Undergraduates” at The University Consortium for Geographic Information Science Symposium, virtual due to COVID-19, June 4, 2020.
- 2020 Yang, B., **Hawthorne, T.L.**, Feinman, M.**, Searson, H.** “High-resolution UAV Mapping for Investigating Eelgrass Wasting Disease Over the West Coast of North America” (poster) at the Ocean Sciences Meeting, San Diego, CA, February 20, 2020.
- 2020 **Hawthorne, T.L.**, Torres, H., McClendon, K. **, Clevenger, J. **, Ortiz, A. **, Love, T. **, Flowers, Z. **, Farmer, L. “Incorporating Local Knowledge about Coastal Communities with Drones, GIS and Spatial Storytelling” (poster) at the Ocean Sciences Meeting, San Diego, CA, February 17, 2020.

- 2020 Rivera, F., **Hawthorne, T.L.**, Torres, H., Graham, L.* “Local Knowledge, Sense of Place, and Coastal Restoration in the Indian River Lagoon” (poster) at the Ocean Sciences Meeting, San Diego, CA, February 17, 2020.
- 2019 Torres, H., **Hawthorne, T.L.**, Rivera, F. “Integrating local priorities into restoration using sketch mapping and GIS” at the Coastal and Estuarine Research Federation Annual Meeting, Mobile, Alabama, November 7, 2019.
- 2019 Kibler, K., Cook, G., Chambers, L., Donnelly, M., **Hawthorne, T.L.**, Rivera, F., Walters, L. “Integrating sense of place into ecosystem restoration: a novel approach to achieve synergistic social-ecological impact” at the Coastal and Estuarine Research Federation Annual Meeting, Mobile, Alabama, November 7, 2019.
- 2019 Mahung, G.**, Righteous-Rogers, J.A.**, Santiago Rivera, K.S.**, Green, R.**, Peluso, S.**, Torres, H., Visaggi, C.C., Brandt, K.*, Torres, H., **Hawthorne, T.L.** “The Power of Integrating Community Perceptions to Better Understand and Manage Flooding Within Hopkins Village, Belize” at the 12th Natural Resource Management and Research Symposium, Belmopan, Belize, May 29, 2019.
- 2019 Darlington, R.**, Furukawa, E.**, Rutstein, A.**, Huerta, S.**, Thompson, A.**, **Hawthorne, T.L.**, Visaggi, C.C., Torres, H., Brandt, K.* “Mapping Beach Debris in Belize with Participatory GIS” at the American Association of Geographers Annual Meeting, Washington, DC, April 6, 2019.
- 2019 Farmer, L.**, Torres, H., Relyea, D.**, Haralson, J.**, **Hawthorne, T.L.**, Visaggi, C.C., Brandt, K.*, Altizer, N.*, Campos, M.**, Bencivenga, P.** “Understanding Coastal Communities with Drones and Spatial Storytelling” at the American Association of Geographers Annual Meeting, Washington, DC, April 6, 2019.

- 2019 **Hawthorne, T.L.**, Brandt, K., Torres, H. “Participatory GIS for Coastal Communities with Maps, Apps, and Drones” at the American Association of Geographers Annual Meeting, Washington, DC, April 6, 2019.
- 2019 Peluso, S.**, Rutstein, A.**, Torres, H., **Hawthorne, T.L.** “Using Maps, Apps and Drones to Pave the Way to the Future” (poster) at the American Association of Geographers Annual Meeting, Washington, DC, April 5, 2019.
- 2019 Green, R.**, Mahung, G.**, Peluso, S.**, Righteous-Rogers, J.A.**, Santiago Rivera, K.**, **Hawthorne, T.L.**, Torres, H., Visaggi, C.C. “An Investigation of Disaster Preparedness through Community Perceptions in Hopkins, Belize” at the American Association of Geographers Annual Meeting, Washington, DC, April 5, 2019.
- 2019 Torres, H., **Hawthorne, T.L.**, Rivera, F. “Local Knowledge, Sense of Place, and Coastal Restoration in the Indian River Lagoon” at the American Association of Geographers Annual Meeting, Washington, DC, April 5, 2019.
- 2019 Yang, B. and **Hawthorne, T.L.** “A spatio-temporal geostatistical approach for sharpening multi-spectral satellite imagery using high-resolution UAV data” at the American Association of Geographers Annual Meeting, Washington, DC, April 5, 2019.
- 2019 Graham, L.* and **Hawthorne, T.L.** “Drones for Good: GIS and Drone Technology for Academic and Scientific Research” at the Citizen Science Association Conference, Raleigh, NC, March 13, 2019.
- 2018 Peluso, S.**, Green, R.**, Rogers, J.A.**, Rivera, K.**, Mahung, G.**, Brandt, K.*, Torres, H., Visaggi, C.C., **Hawthorne, T.L.** “Participatory GIS to Examine Flooding in a Coastal Village” at the Esri Oceans GIS Forum, Redlands, CA, November 8, 2018.
- 2018 Rutstein, A.**, Darlington, R.**, Huerta, S.**, Furukawa, E.**, Thompson, A.**, Brandt, K.*, Torres, H., Visaggi, C.C., **Hawthorne, T.L.** “Mapping Marine Debris with Mixed Methods in Belize” at the Esri Oceans GIS Forum, Redlands, CA, November 8, 2018.
- 2018 Bencivenga, P.**, Farmer, L.**, Relyea, D.**, Haralson, J.**, Campos, M.**, Brandt, K.*, Torres, H., Visaggi, C.C., **Hawthorne, T.L.** “Spatial Storytelling with Drones and Interviews along the Mesoamerican Reef” at the Esri Oceans GIS Forum, Redlands, CA, November 7, 2018.
- 2018 **Hawthorne, T.L.**, Graham, L.*, Torres, H. “Powerful Geographies through Maps, Apps, and Drones” at the Powerful Geographies Conference, San Jose, Costa Rica, November 3, 2018.
- 2018 Rivera, F., Torres, H., **Hawthorne, T.L.** “Sense of Place, Place Attachment, Environmental Activism” at Society for the Study of Social Problems Annual Meeting, Philadelphia, PA, August 12, 2018.

- 2018 **Hawthorne, T.L.**, Visaggi, C.C., Jarrett, O., Graham, L.*, Munisteri, C. “Broadening Geography’s Societal Impact through Participatory GIS Research Experiences for Students” at the American Association of Geographers Annual Meeting, New Orleans, LA, April 13, 2018.
- 2018 Altizer, N.*, **Hawthorne, T.L.**, Munisteri, C., Graham, L.* “Understanding Development and Conservation Challenges in Island Communities with Drones and Open Data” at the American Association of Geographers Annual Meeting, New Orleans, LA, April 13, 2018.
- 2018 Brandt, K.**, Jeanty, J.**, Burkholder, B.**, Castillo, A.**, Lemus, M.**, **Hawthorne, T.L.**, Visaggi, C.C., Graham, L.*, Munisteri, C. “Integrating Community Knowledge with Citizen Science and Geographic Information Systems to Explore Climate Change Concerns in Hopkins, Belize” at the American Association of Geographers Annual Meeting, New Orleans, LA, April 13, 2018.
- 2018 Butler, E.**, Uzowihe, C.**, Saqui, R.**, **Hawthorne, T.L.**, Visaggi, C.C., Munisteri, C., Graham, L.*, Chang, M.**, Layko, R.** “Citizen Science GIS: Collaborating with Communities to Investigate Marine Debris in Hopkins, Belize” at the American Association of Geographers Annual Meeting, New Orleans, LA, April 13, 2018.
- 2018 Brandt, K.**, **Hawthorne, T.L.**, Visaggi, C.C., Graham, L.*, Munisteri, C., Burkholder, B.**, Jeanty, J.** “Impacts of Volunteered Geographic Data on Flood Management in Hopkins, Belize: Using GIS to Model Runoff from Headwaters in Caribbean Outlet” at the American Association of Geographers Annual Meeting, New Orleans, LA, April 12, 2018.
- 2018 Graham, L.* and **Hawthorne, T.L.** “Maps, Apps, and Drones: STEM Education and Critical Engagement to Inspire the Next Generation of Applied Scientists” at the American Association of Geographers Annual Meeting, New Orleans, LA, April 10, 2018.
- 2018 Torres, H., **Hawthorne, T.L.**, Altizer, N.*, Rivera, F. “A Method for Integrating Sense of Place into Coastal Restoration” at the American Association of Geographers Annual Meeting, New Orleans, LA, April 10, 2018.
- 2018 Cano, A., Saqui, R.**, **Hawthorne, T.L.**, Altizer, N.*, Munisteri, C., Graham, L.*. “Citizen Science GIS in Belize” at the 1st Belize National Research Conference, Belmopan, Belize, March 22, 2018.
- 2018 **Hawthorne, T.L.**, Altizer, N.*, Munisteri, C., Graham, L.* “Connecting Communities through Maps and Drones” at the Society of Florida Geographers Annual Meeting, Melbourne Beach, FL, February 10, 2018.
- 2017 Walters, L.J., Donnelly, M., Cook, G., Chambers, L., Kibler, K., Rivera, F., and **Hawthorne, T.L.** “Restoration in Florida: Interdisciplinary Research to Understand Ecological Function and Sense of Place” at the Coastal and Estuarine Research Federation 24th Biennial Conference, Providence, RI, November 6, 2017.

- 2017 **Hawthorne, T.L.**, Underberg-Goode, N., Johnson, E. “Connecting Participatory Research and Design to the Digital Humanities” at the Humanities, Arts, Science and Technology Alliance and Collaboratory (HASTAC) Conference, Orlando, FL, November 4, 2017.
- 2017 Layko, R.**, Graham, L.*, Chang, M.**, Uzowihe, C.**, Butler, E.**, Saqui, R.**, Munisteri, C., Visaggi, C.C., **Hawthorne, T.L.** “Citizen Science GIS: Collaborating with Communities to Address Marine Debris in Belize” at the Esri Oceans Forum, Redlands, CA, November 2, 2017.
- 2017 Brandt, K.**, Jeanty, J.**, Burkholder, B.**, Lemus, M.**, Castillo, A.**, Munisteri, C., Graham, L.*, Visaggi, C.C., **Hawthorne, T.L.** “Integrating Local Knowledge: Assessing Disaster Preparedness in Hopkins, Belize” at the Esri Oceans Forum, Redlands, CA, November 1, 2017.
- 2017 Altizer, N.*, **Hawthorne, T.L.**, Munisteri, C., Graham, L.*, Cano, A. “Drones and Open Data to Understand Development and Conservation Challenges” at the Esri Oceans Forum, Redlands, CA, November 1, 2017.
- 2017 Chang, M.**, Layko, R.**, Uzowihe, C.**, Butler, E.**, Saqui, R.G.V.**, Graham, L.*, Munisteri, C., Visaggi, C.C., **Hawthorne, T.L.** “Citizen Science GIS: Collaborating with Communities to Investigate Marine Debris in Hopkins, Belize” at the Annual Biomedical Research Conference for Minority Students, Phoenix, AZ, November 3, 2017.
- 2017 Rivera, F., **Hawthorne, T.L.**, Walters, L. Chambers, L., Cook, G., Donnelly, M., and Kibler, K. “Critical Dialogue: Interdisciplinary Approaches to Coastal Restoration: Understanding How Sense of Place Leads to Restoration Involvement and Change” at the 2017 Society for the Study of Social Problems, Montreal, Canada, August 12, 2017.
- 2017 Altizer, N.*, **Hawthorne, T.L.**, Salazar, J., Munisteri, C., Graham, L.*. “Using Drones to Replace Satellite Imagery: A Case Study from Belize” (poster) at the 2017 American Association of Geographers Annual Meeting, Boston, MA, April 6, 2017.
- 2017 Graham, L.*, **Hawthorne, T.**, Visaggi, C., Altizer, N.*, Munisteri, C., Wade, J.**, Ashby, A.**, Bonestroo, H.**, Little, A., Perez, J.**, Fitzgerald, S.**, Kuo, S.**, Ball, C**. "Citizen Science GIS in Practice: Community Based Research in Hopkins, Belize" (poster) at the 2017 American Association of Geographers Annual Meeting, Boston, MA, April 6, 2017.
- 2017 **Hawthorne, T.L.**, Altizer, N.*, Munisteri, C., Graham, L.*, Cano, A., Salazar, J., Hernandez, R. “The Open Reef Mapping Society: Exploring the Belize Barrier Reef with Drones and Citizen Science GIS” at the 2017 American Association of Geographers Annual Meeting, Boston, MA, April 5, 2017.
- 2017 **Hawthorne, T.L.** and Rivera, F., Walters, L., Cook, G., Kibler, K., Chambers, L. “Encouraging Stakeholder Participation in the Indian River Lagoon through Participatory

- GIS” at the 2017 Indian River Lagoon Symposium: An Estuary in Peril, Florida Atlantic University Harbor Branch, February 9, 2017.
- 2017 Walters, L. Kibler, K., **Hawthorne, T.L.**, Rivera, F., Cook, G., Chambers, L. “Indian River Lagoon in Peril” at the 20th Annual Space Coast Birding and Wildlife Festival, Titusville, FL, January 27, 2017.
- 2017 Walters, L. and **Hawthorne, T.L.** “Participatory GIS Birding Application for the Mosquito Lagoon” at the 20th Annual Space Coast Birding and Wildlife Festival, Titusville, FL, January 27, 2017.
- 2016 Perez, J.**, Kuo, S.**, **Hawthorne, T.L.**, Visaggi, C.C, Ashby, A.**, Wade, J.**, Altizer, N.*, Graham, L.* “Participatory GIS and Flooding in Belize” at the Esri 3rd Annual Oceans Forum, Redlands, CA, November, 3, 2016.
- 2016 Walters, L., Kibler, K., **Hawthorne, T.L.**, Rivera, F., Cook, G., Donnelly, M. and Chambers, L. (2016) *Restoration and resilience in the Indian River Lagoon: an interactive preface to a new interdisciplinary research project* at the American Water Resource Association, Orlando, FL, November 15, 2016.
- 2016 Little, A.**, **Hawthorne, T.L.**, Fitzgerald, S.**, Bonestroo, H.**, Ball, C.**, Munisteri, C., Graham, L.*, Altizer, N.*, Visaggi, C.C. “Participatory GIS and Citizen Science Approaches for Understanding Coastal Marine Debris in Belize” at the Esri 3rd Annual Oceans Forum, Redlands, CA, November, 3, 2016.
- 2016 Ashby, A.**, **Hawthorne, T.L.**, Altizer, N.*, Graham, L.*, Kuo, S.**, Perez, J.**, Wade, J.** “Engaging Communities in Coastal GIS through Citizen Science: A Case Study of Hopkins, Belize” at the Central Florida GIS Workshop, Daytona Beach, FL, September 19, 2016.
- 2016 Hawthorne, T.L. “Community GIS in Urban High Schools: The Urban Geospatial STEM Academy as a Model for Moving Learning from the Classroom into Communities” at the American Association of Geographers Annual Meeting, San Francisco, CA, March 31, 2016.
- 2015 Hawthorne, T.L. “Critical Reflection Mapping as a Hybrid Methodology for Examining Socio-Spatial Perceptions of New Research Sites” at the Association of American Geographers Annual Meeting, Chicago, IL, April 22, 2015.
- 2015 Luu, R.**, Christenson, E.**, Munisteri, C.**, Rogstad, L.**, and **Hawthorne, T.L.** “Community Outreach and Public Participation to Understand Community and Urban Greenspace in Atlanta” (poster) at the Association of American Geographers Annual Meeting, Chicago, IL, April 22, 2015.
- 2015 Christenson, E.**, Luu, R.**, Munisteri, C.**, Rogstad, L.**, and **Hawthorne, T.L.** “Community Involvement in Urban Greenspaces: Understanding the Relationship between

- Community Members and the Cascade Springs Nature Preserve - Atlanta, Georgia” at the Association of American Geographers Annual Meeting, Chicago, IL, April 21, 2015.
- 2015 Cook, H.**, Dubus, J.**, Ryerson, N.*, **Hawthorne, T.L.**, and Zakas, C**. “*Contextualizing Urban Food: Using Story Maps to Share the Lived Experiences of Urban Atlanta Growers*” at the Association of American Geographers Annual Meeting, Chicago, IL, April 22, 2015.
- 2014 Luu, R.**, Christenson, E.**, Munisteri, C.*, Rogstad, L.**, **Hawthorne, T.L.**, “Mobile Mapping and Public Participation to Understand Urban Greenspace Accessibility in Atlanta, GA” at the Applied Geography Conference, Atlanta, GA, October 17, 2014.
- 2014 **Hawthorne, T.L.** and Visaggi, C., “Community Geography as a Model for International Research Experiences in Study Abroad Programs: A Case Study in Belize” (poster) at the Applied Geography Conference, Atlanta, GA, October 17, 2014.
- 2014 Chang, G.**, Andia, J.**, Twiggs, K.**, **Hawthorne, T.L.**, Visaggi, C., “Eco-Conscious Tourism on the Reef in South Water Caye, Belize” at the Applied Geography Conference, Atlanta, GA, October 16, 2014.
- 2014 **Hawthorne, T.L.**, Zakas, C.**, Cook, H.**, Dubus, J.**, Donnell, T.**, Ryerson, N.*, Alala, E., Bluh, N., Battla, I., “Using Critical GIS to Map The Lived Experiences of Atlanta Urban Farmers and Growers” at the Applied Geography Conference, Atlanta, GA, October 16, 2014.
- 2014 Brisse, H.**, Salazar, J.**, **Hawthorne, T.L.**, Cayetano, D.**, Ramos, J., Canto, G., Gadison, D.*, Minkara, K.**, “Examining Sugarcane Farming in Belize with Community GIS and Mobile Mapping” at the Applied Geography Conference, Atlanta, GA, October 16, 2014.
- 2014 Brasher, A.**, Meher, M.**, Rabideaux, N.*, **Hawthorne, T.L.**, Visaggi, C., “Mapping Patterns of Marine Debris on Caye Caulker, Belize” at the Applied Geography Conference, Atlanta, GA, October 16, 2014.
- 2014 Bennett-Martin, P.**, Visaggi, C., **Hawthorne, T.L.**, “Plastics, Pollution, and People: Mapping Marine Debris in Coastal Communities across Belize” at the Applied Geography Conference, Atlanta, GA, October 16, 2014.
- 2014 Mitchell, T.*, **Hawthorne, T.L.**, Seidell, M.**, Scott, L**. “Critical Reflection Mapping as a Hybrid Methodology for Examining Socio-Spatial Perceptions of New Research Sites” at the Applied Geography Conference, Atlanta, GA, October 15, 2014.
- 2014 Boll, A.* and **Hawthorne, T.L.** “Community Geography and Qualitative GIS Approaches to Examining Food Accessibility” at the Association of American Geographers Annual Meeting, Tampa, FL, April 11, 2014.

- 2014 Boll, A.* and **Hawthorne, T.L.** “The Power of Community Geography in Atlanta: A Focus on Urban Food Accessibility” at the Atlanta Studies Symposium, Atlanta, GA, April 4, 2014
- 2014 Main, E.**, **Hawthorne, T.L.**, and Edwards, L. “Whose Greenspace is it Anyway? A Community Geography Case Study of Beecher Hills Lionel Hampton Nature Preserve in Southwest Atlanta” (poster) at the Association of American Geographers Annual Meeting, Tampa, FL, April 8, 2014.
- 2014 Roberts-Gregory, F.**, **Hawthorne, T.L.**, and Edwards, L. “Whose Greenspace is it Anyway? A Community Geography Case Study of Beecher Hills Lionel Hampton Nature Preserve in Southwest Atlanta” at the Association of American Geographers Annual Meeting, Tampa, FL, April 8, 2014.
- 2013 **Hawthorne, T.L.**, “Community Geography’s Potential for Broadening Participation in Geographic Research” at the 36th Annual Applied Geography Conference, Annapolis, MD, November 1, 2013.
- 2013 **Hawthorne, T.L.**, “Mapping with Communities in Atlanta, Georgia to Understand Sustainability” at the National Cartographic Information Society Annual Meeting, Greenville, SC, October 11, 2013.
- 2013 Harris, D.T.*, Strack, J.*, **Hawthorne, T.**, Visaggi, C.C., “A Geospatial Analysis of Marine Debris and Plastics in Belize” (poster) at the National Cartographic Information Society Annual Meeting, Greenville, SC, October 11, 2013.
- 2013 Barrett, R.* and **Hawthorne, T.L.**, “A Mobile Geospatial Framework for Evaluating Fresh Food Availability in the Fertile Crescent of Atlanta, Georgia” (poster) at the 2013 Harvard University Center for Geographic Analysis Annual GIS Conference “Creating the Policy and Legal Framework for a Location–Enabled Society,” Cambridge, MA, May 3, 2013.
- 2013 Reed, J., **Hawthorne, T.L.**, Miller, B., Hurley, J., and Collins, B. “ATLMaps - Building a research and community focused mapping platform” (poster) at the 2013 Harvard University Center for Geographic Analysis Annual GIS Conference “Creating the Policy and Legal Framework for a Location–Enabled Society,” Cambridge, MA, May 3, 2013.
- 2013 Bennett-Martin, P.**, Strong, A.**, Elmore, V.**, Parkman, J.**, Finnie, J.**, Edwards, L., **Hawthorne, T.L.**, “Developing a GIS Methodology for Mapping Urban Greenspace” (poster) at the 2013 Harvard University Center for Geographic Analysis Annual GIS Conference “Creating the Policy and Legal Framework for a Location–Enabled Society,” Cambridge, MA, May 3, 2013.
- 2013 **Hawthorne, T.L.** and Rees, A. “Children as Active Knowledge Producers in Community Geography and GIS Research: A Case Study of Safe Routes to Schools and Physical Activity” at the Association of American Geographers Annual Meeting, Los Angeles, CA, April 11, 2013.

- 2013 Adams, C.**, Hankins, K., **Hawthorne, T.L.** “Finding Food in the Desert of Swamp? Documenting South Atlanta’s Food Geographies” (poster) at the Association of American Geographers Annual Meeting, Los Angeles, CA, April 10, 2013.
- 2013 Barrett, R.*+ and **Hawthorne, T.L.** “Investigating the Atlanta Food System: A Mixed Methods Study of Environmental Sustainability and Human Health” (poster) at the Association of American Geographers Annual Meeting, Los Angeles, CA, April 10, 2013. +Received Honorable Mention for Best Student-Led Presentation in the “Young Leaders Mapping Sustainable Development Challenges: My Community, Our Earth Beyond Rio+20” Session.
- 2013 Parkman, J.**, Finnie, J.**, Edwards, L., **Hawthorne, T.L.** “Developing a Participatory GIS Methodology for Mapping Elements of Urban Greenspace” (poster) at the Association of American Geographers Annual Meeting, Los Angeles, CA, April 10, 2013.
- 2013 Strong, A.**, Edwards, L., **Hawthorne, T.L.** “Developing a Participatory GIS Methodology for Mapping Non-Native Invasive Species in Urban Forests” at the Association of American Geographers Annual Meeting, Los Angeles, CA, April 9, 2013.
- 2013 “Enhancing STEM Learning with Community Geography in Atlanta” to the Georgia State University STEM Initiative Research Speaker Series, Atlanta, GA, April 1, 2013.
- 2012 “Doing Community Geography: Reflections from the Field and the Community” at the Southeastern Division of the Association of American Geographers Annual Meeting, Asheville, NC, November 19, 2012.
- 2012 “Developing a GIS methodology for mapping elements of urban greenspace: A case study of the Lionel Hampton Beecher Hills nature preserve in Atlanta, GA” to the Value, Impact and Best Practices: Maximizing REU SBE Potential Conference sponsored by the Council for Undergraduate Research and the National Science Foundation, Arlington, VA, September 24, 2012 (poster).
- 2012 “Enhancing STEM Education through Field-Based Problem Solving and Real-World Applications of Geographic Information Systems” to the Georgia State University STEM Initiative Research Speaker Series, Atlanta, GA, April 18, 2012.
- 2012 “Contextualizing the Urban Network: Mapping Perceptions and Experiences of Urban Spaces through Qualitative Network Analysis” at the Association of American Geographers 108th Annual Meeting, New York City, NY, February 24, 2012.
- 2011 “Exploring Urban Health Disparities with Qualitative Inquiry” at the Annual Meeting of the Southeastern Division of the Association of American Geographers, Savannah, GA, November 21, 2011.

- 2011 “The Value of Qualitative Inquiry for Understanding Healthcare Accessibility and Quality of Care in Lower-Income Urban Neighborhoods” at the International Medical Geography Symposium, Durham, United Kingdom, July 15, 2011.
- 2011 “Youth Perceptions of Neighborhood Change and Community Gardening in Columbus, Ohio” at the Association of American Geographers 107th Annual Meeting, Seattle, WA, April 13, 2011.
- 2010 “Mixing it Up: Understanding Healthcare Accessibility and Quality of Care with Mixed-Methods” at the Association of American Geographers 106th Annual Meeting, Washington DC, April 18, 2010.
- 2009 “The Role for Critical Geographic Information Systems and Mixed Methods in Healthcare Accessibility” at the 8th Annual Hawaii International Conference on Social Sciences, Honolulu, HI, June 4, 2009.
- 2009 “The Role for Critical GIS and Mixed Methods Research in Studies of Healthcare Accessibility” at the Association of American Geographers 105th Annual Meeting, Las Vegas, NV, March 23, 2009.
- 2008 “Seeing through the Smoke: Exploring Smoke Free Ohio with Public Participation GIS” at the Association of American Geographers 104th Annual Meeting, Boston, MA, April 19, 2008.
- 2007 “Measuring Accessibility to Smoking Cessation Programs in Appalachian Ohio: Considering Individual Perceptions to Care as Measures of Revealed Accessibility” at the Association of American Geographers 103rd Annual Meeting, San Francisco, CA, April 19, 2007.
- 2006 “Identifying Participant-Defined Recreational Trail Locations Using GIS and Q Methodology in Delaware County, Ohio: A Case Study of Qualitative Data Integration in GIS” at the Association of American Geographers 102nd Annual Meeting, Chicago, IL, March 11, 2006.
- 2005 “Participatory GIS and Land Use Planning in Monongalia County, WV” at URISA 4th Annual Public Participation GIS Conference, Cleveland, OH, 2005.
- 2005 “Participatory GIS for Growth Management in Cheat Lake Planning District of Monongalia County, West Virginia” at the Association of American Geographers 101st Annual Meeting, Denver, CO, April 5, 2005.
- 2004 “Mapping Campus-Community Collaborations: Integrating Partnerships, Service-Learning, Mapping and GIS” at National Institute for Technology and Liberal Education National Conference: Voyage to Ithaka: Technology, Collaboration, and the Future of Liberal Arts Colleges, Chicago, IL, 2004.

- 2004 “Employing Participatory GIS in Appalachia” at West Virginia GIS Conference: Morgantown, WV, 2004.
- 2004 “Participatory GIS for Land Use Planning” at Mapping Campus-Community Collaborations Conference at Ohio Wesleyan University, Delaware, OH, 2004.
- 2003 “Mapping Linear Geographies: Rail Trail Development in Delaware County, OH” at the Association of American Geographers 99th Annual Meeting, New Orleans, IL, 2003.
- 2003 “Mapping Linear Geographies” at North American Cartographic Information Society Annual Meeting, Columbus, OH, 2003.

Panel Presentations

- 2018 “Do-It-Yourself (DIY) Engagement: Entry Points for GIS in Public Pedagogy” at the 2018 American Association of Geographers Annual Meeting, New Orleans, LA, April 12, 2018.
- 2017 “Open Mapping for Social Equity and Community Change” (discussant) at the 2017 American Association of Geographers Annual Meeting, Boston, MA, April 7, 2017.
- 2017 “Training Geographers for Collaborative, Real-World Research” at the 2017 American Association of Geographers Annual Meeting, Boston, MA, April 6, 2017.
- 2016 “Developing Experiential Learning Opportunities in Geography Curricula” at the American Association of Geographers Annual Meeting, San Francisco, CA, April 1, 2016.
- 2016 “Teaching and Advising about Careers in Geography” at the American Association of Geographers Annual Meeting, San Francisco, CA, March 29, 2016.
- 2016 “Beyond the Armchair 2: Tips and Strategies for Teaching an International Geography Field Course” at the American Association of Geographers Annual Meeting, San Francisco, CA, March 29, 2016.
- 2015 “Geography and the "Crisis of Civic Engagement in Higher Education": Session II - Institutionalizing civic engagement: foundations & futures” at the Association of American Geographers Annual Meeting, Chicago, IL, April 25, 2015.
- 2015 “The Academic Job Market for Geographers A: Strategies for Improving Career Preparation” at the Association of American Geographers Annual Meeting, Chicago, IL, April 22, 2015.
- 2015 “What is Urban Health?” to faculty and students with the Georgia State University Partnership for Urban Health Research, Atlanta, GA, January 29, 2015.
- 2014 “Lessons Learned from Community Geography Experiences in Belize” at the Association of American Geographers Annual Meeting, Tampa, FL, April 10, 2014.

- 2012 “Developing a Conceptual Framework and Set of Best Practices for Community Geography: A Focus on University-Community Partnerships” at the Association of American Geographers 108th Annual Meeting, New York City, NY, February 26, 2012.
- 2012 “Reports from the Field: Reflections on Human Geography Graduate Research” at the Association of American Geographers 108th Annual Meeting, New York City, NY, February 24, 2012.
- 2011 “Building and Sustaining Community-University Partnerships in Marginalized Urban Areas” at the Association of American Geographers Annual Meeting, Seattle, WA, April 12, 2011.
- 2009 “TAs, RAs, and GREs: Helping Undergraduates Decipher Graduate School” at the Association of American Geographers 105th Annual Meeting, Las Vegas, NV, March 27, 2009.
- 2009 “Geography's Diversity, Coherence, Prospects” at the Association of American Geographers 105th Annual Meeting, Las Vegas, NV, March 26, 2009.
- 2009 “Rethinking the Degree of PhD in Geography 1: New Approaches and Practices to Professional Development in Doctoral Programs” at the Association of American Geographers 105th Annual Meeting, Las Vegas, NV, March 24, 2009.
- 2008 “Reports from the Field IV” at The Ohio State University Department of Geography, Columbus, OH, November 6, 2008.

Teaching Experience

*Denotes an entirely new course I developed or co-developed for the university.

**All courses were taught face-to-face except where noted.

- 2020 SYA 4354 (Online): GIS Applications, Summer B
- 2020 SYA 6452: GIS Applications, Spring (COVID-19 remote learning for 2nd half of semester)
- 2019 SYA 6458, Advanced Topics in Geographic Information Systems in Society, Fall*
- 2019 SYA 4959 and SYA 5941: STUDY ABROAD: Participatory Geographic Information Systems in Belize, Summer A
- 2019 SYA 6452: GIS Applications, Spring
- 2019 SYA 4354 (Online*): GIS Applications, Spring
- 2018 SYA 6356: Geographic Information Systems in Society, Spring
- 2017 SYA 4354: GIS Applications, Fall

- 2017 SYA 6452: GIS Applications, Spring* and Fall
- 2017 SYA 3352: Spatial Sociology: Introduction to Geographic Information Systems, Spring
- 2016 SYA 3352: Spatial Sociology: Introduction to Geographic Information Systems, Fall
- 2016 STUDY ABROAD IN BELIZE: Participatory Geographic Information Systems, Summer Session A*
- 2016 SYA 6938: Geographic Information Systems in Society, Spring*
- 2016 SYA 4906-16: Directed Independent Study in Geographic Information Systems (2 students), Spring
- 2015 SYA 3930-0001: Spatial Sociology: Introduction to Geographic Information Systems, Fall*
- 2015 STUDY ABROAD IN BELIZE: GEOG 4532/4999/GEOS 6532/6999: Geographic Information Systems in Belize: A Focus on Communities, Fieldwork, and Service: Maymester (co-taught with Dr. Christy Visaggi)
- 2016 GEOG 6515/4515: Qualitative Methods, Spring
- 2015 GEOG 6097/GEOS 4097: Community Geographic Information Systems, Spring*
- 2014 STUDY ABROAD IN BELIZE: GEOG 4532/4999/GEOS 6532/6999: Geographic Information Systems in Belize: A Focus on Communities, Fieldwork, and Service: Maymester (co-taught with Dr. Christy Visaggi)
- 2014 GEOG 4518/GEOS 6518: Digital Cartography, Spring
- 2013 HONORS 1000: Seminar on Mapping Atlanta: Citizen Science, Community Mapping, & Geospatial Storytelling (co-taught with Dr. Brennan Collins), Autumn*
- 2013 GEOS 6515/GEOG 4515: Qualitative Methods, Spring
- 2013 GEOG 4518/GEOS 6518: Digital Cartography, Spring
- 2013 STUDY ABROAD IN BELIZE: GEOG 4532/4999/GEOS 6532/6999: Geographic Information Systems in Belize: A Focus on Communities, Fieldwork, and Service: Maymester (co-taught with Dr. Christopher Atchison and Dr. Christy Visaggi)
- 2013 GEOS 6532/GEOG 4532: Geographic Information Systems, Fall
- 2013 GEOG 4999: Directed Readings in Geographic Information Systems, Spring (supervisor of undergraduate research)

- 2013 GEOG 6999: Directed Readings in Geographic Information Systems, Spring (supervisor of graduate research)
- 2013 GEOG 8999: Thesis Research, Spring/Fall 2013
- 2013 GEOG 4832: Geography Internship, Spring (supervisor of undergraduate research)
- 2012 STUDY ABROAD IN BELIZE: GEOG 4532/4999/GEOS 6532/6999: Geographic Information Systems in Belize: A Focus on Communities, Fieldwork, and Service: Maymester (co-taught with Dr. Christopher Atchison)*
- 2012 GEOG 8035: Community Geographic Information Systems Graduate Seminar, Spring*
- 2012 GEOG 4999: Directed Readings in Geographic Information Systems, Spring and Fall (supervisor of undergraduate research)
- 2012 GEOS 6518/GEOG 4518: Digital Cartography, Spring
- 2012 GEOG 4832: Geography Internship, Spring (supervisor of undergraduate research)
- 2012 GEOS 6532/GEOG 4532: Geographic Information Systems, Fall
- 2012 GEOG 6834: Applied Research in Geographic Information Systems, Fall (supervisor of independent MA student's research)
- 2011 GEOG 8065: Non-Thesis Research in Geography, Fall 2011, Georgia State University (supervisor of MA advisee's research)
- 2011 GEOG 6834: Applied Research in Geographic Information Systems, Fall, Georgia State University (supervisor of independent MA student's research)
- 2011 Geography 3125: Intermediate Geographic Information Systems: Spring, Columbus State University
- 2011 Geography 3556: Special Topics: Introduction to Geographic Information Systems: Spring 2011/Fall 2010, Columbus State University
- 2011 Geography 1101: World Regional Geography, Maymester, Columbus State University
- 2010 Geography 1101: World Regional Geography, Fall (2 sections)
- 2009 Geography 580S: The Elements of Cartography: Serving the Community through Cartography: Winter 2009, The Ohio State University (full teaching responsibilities)

- 2008 Geography 580: The Elements of Cartography: Winter, Spring, The Ohio State University (lab instructor and teaching assistant)
- 2007 Geography 580: The Elements of Cartography: Winter, Spring, The Ohio State University (lab instructor and teaching assistant) Fall, Spring
- 2007 Geography 200: World Regional Geography, Winter, The Ohio State University (teaching assistant)
- 2007 Head Graduate Student Coordinator (2007) for Spatial Perspectives for Analysis in Curriculum Enhancement (SPACE) at The Ohio State University, Summer
- 2006 Geography 200: World Regional Geography, Winter, Spring, Fall 2006, The Ohio State University (teaching assistant)
- 2006 Workshop Student Assistant for Spatial Perspectives for Analysis in Curriculum Enhancement (SPACE) at The Ohio State University, Summer

Invited Teaching Guest Lectures

- 2018 “Science and Society Meet in Belize” in Advanced GIS at the University of Denver Department of Geography and the Environment, Denver, CO, February 22, 2018.
- 2018 “Open Reef Drone Mapping for Conservation in Belize” in Remote Sensing and GIS at the University of Denver Department of Geography and the Environment, Denver, CO, February 21, 2018.
- 2018 “Open Reef Drone Mapping in Belize” in Intermediate Remote Sensing at the University of Vermont Department of Geography, Burlington, VT, February 8, 2018.
- 2018 “Citizen Science GIS, Connecting Communities Abroad” in Rural Geographies of Vermont Visualization Lab at the University of Vermont Department of Geography, Burlington, VT, February 8, 2018.
- 2017 “Qualitative Approaches with GIS” in Qualitative Methods, University of Central Florida, September 2017.
- 2017 “Citizen Science GIS Approaches in Belize and Beyond” in GIS for Environmental Studies, University of Central Florida, March 2017.
- 2013 “The Challenges of Mixed Methods Scholarship” in Methods of Geographic Research, Georgia State University, October 2013.
- 2012 “Mixed Methods and Community-Based Research in the Social Sciences” in Methods of Geographic Research, Georgia State University, October 2012.

- 2012 “Examining Urban Environments through Community Geography and GIS” in Urban Environments, Georgia State University, April 2012.
- 2012 “Challenging Perceived Disciplinary Boundaries in Geography and Geology” in Geography & Geology Senior Seminar, April 2012.
- 2012 “Utilizing Community GIS for Public Health Research in Atlanta” in Built Environment and Health, Georgia State University, April 2012.
- 2011 “Opportunities for Mixed Methods Research” in Methods of Geographic Research, Georgia State University, November 2011.
- 2011 “Integrating Qualitative Perceptions of Place with Sketch Mapping and GIS” in GIS and Spatial Analysis for Sociology, Georgia State University, October 2011.
- 2011 “Mapping People, Places and Experience with GIS” in World Regional Geography, Columbus State University, April 2011.
- 2011 “Using Google Earth and Geographic Information Systems for Understanding Neighborhood History” in History of the Chattahoochee Valley, Columbus State University, April 2011.
- 2010 “The Map Communication Model and Map Projections” in Introduction to Geographic Information Systems, The Ohio State University, April 2010.
- 2010 “The Russian Federation and the Newly Independent States” in World Regional Geography, Columbus State University, March 2010.
- 2010 “A Case Study of Northern Irish ‘Troubles’” in World Regional Geography, Georgia Southern University, February 2010.
- 2009 “An Introduction to Geographic Information Systems and Mapping” in World Regional Geography, The Ohio State University, November 2009.

Post-Doctoral Scholar Mentoring

- Dr. Bo Yang, UCF Department of Sociology. Research focused on drones, citizen science, and eelgrass beds along U.S. Pacific Coast with Smithsonian, October 2018-September 2021.
- Dr. Hannah Torres, UCF Department of Sociology, co-mentored with Dr. Fernando Rivera. Research focused on sense of place and GIS for coastal restoration in Florida, August 2017-July 2019. Now Assistant Director for Research Operations at George Mason University’s Center for Resilient and Sustainable Communities.

Graduate & Undergraduate Students Advised as Primary or Co-Advisor

- Lain Graham, Ph.D., Sociology, University of Central Florida, advanced to ABD on December 10, 2018, Degree expected Fall 2020, Participatory GIS and Sense of Place in Belize
- Nicholas Altizer, M.A., Applied Sociology, University of Central Florida, expected Fall 2020, GIS and Drones in Belize
- Charles Seaman, M.A., Sociology, University of Central Florida, expected Spring 2021, Social and environmental inequalities
- Elise Lorenzo, M.A., Sociology, University of Central Florida, Graduated Summer 2020, Social and environmental inequalities
- Adam Acker, M.S., Geosciences, Georgia State University, Graduated Summer 2016, (co-advisors: Visaggi, C. and Hawthorne, T.), Fish Biodiversity and GIS in Belize
- Elizabeth Davis, M.S. Geosciences, Georgia State University, Graduated Summer 2015, Geographic Education Opportunities with the People Loving People Mapping Project
- Christina Williams, M.S. Geosciences, Georgia State University, Graduated Autumn 2014, Water Resources and GIS
- Craig Skelton, M.S. Geosciences (Geography Concentration), Georgia State University, Graduated August 2014, Implementing Geographic Information Systems in Dangriga, Belize
- Austin Kelly, M.S. Geosciences, Georgia State University, Graduated May 2014, GIS Least Cost Route Modelling in Turkey
- Paulita Bennett-Martin, B.A. Geography with University Honors, Georgia State University, Graduated May 2014, (co-advisors: Hawthorne, T. and Visaggi, C.). Honors Thesis: “Examining Sustainability and Ecotourism Practices in Belize with Community Geography and Geographic Information Systems”
- Ryan Barrett, M.A. Geography, Georgia State University, Graduated May 2013, GIS and Urban Food Insecurity
- Victoria Elmore, B.A. Environmental Studies with University Honors, Brown University, Graduated May 2013, Honors Thesis: “The utility of participatory GIS for community management of urban green space”
- Jeffrey Johnson, M.A. Geography, Georgia State University, Graduated May 2012, Topic: Enterprise GIS

Graduate & Undergraduate Students Advised as Committee Member

- Courtney Wilson, Ph.D. in Department of Public Affairs, University of Central Florida, expected 2021
- Hanifah Griffith, M.A. in Sociology, University of Central Florida, expected 2021
- Marie Smith, Ph.D. in Nursing, University of Central Florida, expected 2020
- Kenan Sualp, Ph.D. in Social Work, University of Central Florida, expected 2020
- Tad Schnauffer, Ph.D. in Security Studies, University of Central Florida, expected 2021
- Corinne Audette, Ph.D. in Nursing, University of Central Florida, Graduated December 2019
 - Topic: Maternal Health and Healthcare Accessibility
- Na’Taki Osborne Jelks, Ph.D. Public Health, Georgia State University, Graduated August 2016

- Topic: Combined Environmental and Social Stressors in NW Atlanta’s Proctor Creek Watershed: An Exploration of Expert Data and Community Knowledge
- Sarah Heck, M.S. Geosciences, Georgia State University, Graduated August 2014
 - Topic: The Occupy Atlanta and Urban Housing Movement in Atlanta
- Mechelle Puckett, M.S. Geosciences, Georgia State University, Graduated May 2014
 - Topic: Urban Housing Issues
- Andrew Chiang, M.S Geosciences, Georgia State University, Graduated May 2013
 - Topic: Public Health and GIS
- Julia Bryant, M.A. Geography, Georgia State University, Graduated Autumn 2012
 - Topic: Urban Farming in Atlanta, GA: The Seed of Neoliberal Contestation and Hybridized Compromise?
- Demetrice Jordan, M.A. Geography, Georgia State University, Graduated May 2012
 - Topic: Community-based GIS and health

External Honors & Awards

- 2017 Winner, Esri Special Achievement in GIS Award for Citizen Science GIS
- 2015 National Geographic Educator of the Week for Week of August 17, 2015, National Geographic Education Foundation
- 2015 Finalist, The Urban Atlanta Geospatial STEM Academy (one of six finalists in GA) for the STEM Extra-Curricular Program of the Year from the Technology Association of Georgia (principal investigator of program)
- 2015 United States Forest Service “Wings across the Americas Conservation Award for Urban Communities in Conservation” to the “Greater Atlanta Pollinator Partnership Citizen Science Mapping Project” (project team member)
- 2010 First Prize in the “Applied Geography Class Exercise Competition” from The Association of American Geographers Applied Geography Specialty Group (\$500)
- 2010 Association of American Geographers Health and Medical Geography Specialty Group Travel Award (\$125)
- 2010- Association of American Geographers Urban Geography Specialty Group Travel Award: 2008 2010 (\$100), 2009 (\$100), 2008 (\$100)
- 2002 ESRI International User Conference Student Assistantship (travel expenses)

Internal Honors & Awards

- 2020 National Association of Colleges and Employers (NACE) Competency Faculty Champion, University of Central Florida
- 2020 Winner, University of Central Florida Research Incentive Award
- 2019 Winner, University of Central Florida “Reach for the Stars Award” (1 of 3 at UCF)
- 2018 Nominee, University of Central Florida “Reach for the Stars Award”
- 2017 Nominee, University of Central Florida “Reach for the Stars Award”
- 2015 Georgia State University Faculty Undergraduate Research Mentor of the Year Award presented by The Honors College and the GSU Undergraduate Research Conference
- 2014 Georgia State University Study Abroad Program Director of the Year Nominee
- 2014 Georgia State University Outstanding Junior Faculty Nominee

- 2013 Georgia State University Study Abroad Program Director of the Year Nominee
- 2013 Georgia State University Faculty Undergraduate Research Award Nominee
- 2011 Columbus State University History and Geography Faculty Travel Award (\$1365)
- 2010 E. Willard and Ruby S. Miller Fellowship Award from The Ohio State University Department of Geography (\$4400)
- 2010 Career Development Grant from The Ohio State University Council of Graduate Students (\$250)
- 2010 Student Award for Excellence in Community Service from The Ohio State University Service Learning Initiative (\$300)
- 2009 The “Outstanding Community Outreach by a Graduate Student” Award from The Ohio State University Council of Graduate Students
- 2010-2008 The Ohio State University Ray Travel Award: Winter 2010 (\$750), Summer 2009 (\$750), Winter 2009 (\$750), Winter 2008 (\$710)
- 2010-2006 The Ohio State University Dept. of Geography Travel Award: 2010 (\$400), 2009 (\$400), 2008 (\$450), 2007 (\$450), 2006 (\$300)
- 2003 Ohio Wesleyan University Robert E. Shanklin Outstanding Geography Student Award
- 2002 Ohio Wesleyan University Summer Science Research Program (\$3000)

External Professional Service and Leadership

*Leadership role in bold

- 2020- Mentor, Urban and Regional Information Systems Association (URISA) Mentoring Network
- 2018-2019 Member, “Geography, GIScience, and Health: Building an International Geospatial Health Research Network (IGHRN)” American Association of Geographers Special Theme Organizing Committee
- 2018-2018 Member, Florida Advisory Council to National Geographic Society
- 2018 Panel Reviewer for the National Science Foundation (1 time)
- 2018 Visiting Geographical Scientist Program, Gamma Theta Upsilon and American Association of Geographers
- 2018 **Executive Board Member**, Florida Society of Geographers
- 2018 Judging Member, AAG J.W. Nystrom Student Award Competition
- 2018 Ad-Hoc Reviewer for the National Science Foundation (1 time)
- 2017 Panel Reviewer for the National Science Foundation (2 times)
- 2017 Ad-Hoc Reviewer for the National Science Foundation (1 time)
- 2016 Panel Reviewer for the National Science Foundation (2 times)
- 2014-2018 **Chair**, Association of American Geographers Applied Geography Specialty Group
- 2014 **Chair**, Local Planning Committee for Applied Geography Conference
- 2014 Panel Reviewer for the National Science Foundation
- 2013-2015 **Chair**, Southeastern Division of the Association of American Geographers (SEDAAG) Resolutions Committee
- 2012 Panel Reviewer for the National Science Foundation
- 2012-2013 Member, Session Organization sub-committee, “Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice Symposium” at the Association of American Geographers 2013 Annual Meeting

- 2013 Co-Organizer of “Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice Symposium” at the Association of American Geographers 2013 Annual Meeting
- 2012-2015 **Editorial Board Member**, *The International Journal of Applied Geospatial Research*
- 2012-2013 Coordinator, Southeastern Division of the AAG Geography Bowl Team Georgia
- 2012-2014 **Vice-Chair**, Association of American Geographers Applied Geography Specialty Group
- 2011-2013 **Secretary**, Association of American Geographers Applied Geography Specialty Group
- 2012 Reviewer for National Science Foundation Geography & Spatial Sciences Program
- Ad-hoc Reviewer for *Geographic Information Science & Technology Body of Knowledge*, *Applied Geography*, *The Annals of the Association of American Geographers*, *International Journal of Geographical Information Science*, *The International Journal of Applied Geospatial Research*, *Cities*, *International Journal of Sustainable Transportation*, *Geoforum*, *Canadian Journal of Remote Sensing*, *Journal of Geography*, *Community Development: Journal of the Community Development Society*, *Cartographic Perspectives*
- 2013 Reviewer for the Jacques May Thesis Prize in Medical Geography
- 2011 Reviewer for the AAG Applied Geography Specialty Group Class Exercise Award
- 2009-2010 Director, Association of American Geographers Graduate Student Affinity Group
- 2009-2010 Student Representative, Association of American Geographers Health and Medical Geography Specialty Group
- 2008-2009 Chair, Association of American Geographers Graduate Student Affinity Group
- 2007 Student Paper Competition Chair, Association of American Geographers Graduate Student Affinity Group
- 2005 URISA 4th Annual Public Participation GIS Conference Steering Committee

Internal Professional Service and Leadership

*Leadership role in bold

- 2020-2023 **Program Director**, University of Central Florida Sociology Graduate Program
- 2020-2021 Participant, University of Central Florida Faculty Excellence Advisory Committee
- 2019-2020 Participant, University of Central Florida Associate Professor Mentoring Community
- 2019-2021 **Senator** for Dept. of Sociology, University of Central Florida Faculty Senate
- 2019-2020 Representative, University of Central Florida Faculty Senate Personnel Committee
- 2018-2019 Participant, University of Central Florida Academic Leadership Academy
- 2018 Workshop Co-Leader, University of Central Florida Office of Research and Commercialization NSF REU Site Grant Workshop
- 2017-2019 **Coordinator**, University of Central Florida Undergraduate Geographic Information Systems Certificate Program
- 2016 Panelist, “Breaking Barriers: Conversations with Faculty,” University of Central Florida Trio Prime STEM Mentoring Program. September 28, 2016
- 2016 Panelist, “How to be an Effective Collaborator,” University of Central Florida Department of Sociology Graduate Student Professional Development Series. September 23, 2016.
- 2016-2017 Primary Faculty Advisor, University of Central Florida Geospatial Information Society

2016 Member, University of Central Florida Study Abroad Scholarship Review Committee
 2016- Member, University of Central Florida Department of Sociology Visiting Speakers Series Committee
 2016-2017 Member, University of Central Florida Department of Sociology Strategic Planning Committee
 2016 Member, University of Central Florida COACHE Sub-Committee on Personal and Family Policies
 2015- **Co-Lead** with Dr. Scott Branting and Dr. Yingru Li, University of Central Florida GIS Cluster Initiative
 2015-2016 Member, University of Central Florida GIS Certificate Program (Graduate and Undergraduate) Proposal Development Team
 2014-2015 Member, Georgia State University Presidential Scholarship Selection Committee
 2013-2015 Member, Georgia State University Honors College Recruitment Committee
 2014-2016 Member, Georgia State University Internal Grants Peer Review Committee
 2013-2014 Advisor, Gamma Theta Upsilon Georgia State University Chapter
 2013-2014 Member, Georgia State University Department of Geosciences Undergraduate Studies Committee
 2013-2015 Elected Member, Steering Committee for Georgia State University Partnership for Urban Health Research
 2013 Judge, Georgia State University Undergraduate Research Conference
 2013-2014 Member, Georgia State University Signature Experiences Committee
 2012-2013 Co-Lead, Geosciences Second Century Initiative Proposal for Geovisualization of Urban Hazards
 2011-2015 Member, Georgia State University Sanford Bederman Research Award Committee
 2013-2014 Co-Chair, Recruitment Committee, Georgia State University Geosciences
 2010 Columbus State University History & Geography Study Abroad Committee
 2009-2010 Department of Geography Representative, OSU Council of Graduate Students
 2009-2010 Member, The OSU Council of Graduate Students Compensation Committee
 2008-2009 Chair, The Ohio State University Geography Graduate Organization
 2004-2005 Student Representative, West Virginia University Geography Graduate Committee
 2004-2005 President, West Virginia University Geography Graduate Group
 2001-2003 Chair, Ohio Wesleyan University Geology and Geography Student Group

Public Service and Leadership

2018- **Founding Research Director**, GeoBus™: Mobile STEAM Education in Florida
 2018-2019 Member, Playground City (Orlando, FL) Apprenticeship Sprints Steering Committee
 2018-2019 Volunteer, Skype A Scientist Program
 2017-2018 Volunteer, Partin Elementary (Oviedo, FL) Super Scientist Program
 2017- **Founding Director**, Maps, Apps, and Drones Tour for K-12 Students: Serves over 9500 youth in Florida and Belize

Professional Organizations

- Florida Society of Geographers

- Society for the Study of Social Problems
- Gamma Theta Upsilon
- The American Association for the Advancement of Science
- The American Association of Geographers
- Southeastern Division of the American Association of Geographers
- Health & Medical Geography Specialty Group of the American Association of Geographers
- Applied Geography Specialty Group of the American Association of Geographers
- Urban Geography Specialty Group of the American Association of Geographers
- Omicron Delta Kappa Leadership Honor Society
- Mortar Board
- Sigma Tau Delta English Honorary
- Sigma Gamma Epsilon Earth Sciences Honorary

GIS Work Experience

- Ohio Department of Natural Resources Geological Survey GIS Internship: Summer 2006 & Summer 2007
- West Virginia State GIS Technical Center GIS Internship: Summer 2004 & Summer 2005
- City of Chillicothe, Ohio Department of Engineering GIS Internship: Summer 2002