**Greg Rybarczyk, Ph.D.**

928 Maplegrove Avenue

Royal Oak, MI 48067, USA

Phone: +1 414-732-6246

webpage: www.grybarczyk.com

**EDUCATION**

**Ph.D.** University of Wisconsin-Milwaukee, Geography, 2010

*Dissertation: Bicycle Travel Demand Forecasting Using Geographic Information Systems and Agent Based Modeling*

 Advisor: Dr. Changshan Wu

**M.S.** University of Wisconsin-Milwaukee, Geography, 2005

*Thesis: Using GIS and Multi-Criteria Decision Analysis for Bicycle Facility Planning: A Case Study in Milwaukee, Wisconsin*

**GIS** University of Wisconsin-Milwaukee, 2004, *Urban Geographic Information*

**Certificate** *Systems*

**B.S**. University of Wisconsin-Milwaukee, Biological Aspects of Conservation. 1997

**CURRENT POSITIONS**

**Associate** University of Michigan-Flint, Department of Behavioral Sciences, 2015-

**Professor**

**Fellow** The Centre for Urban Design and Mental Health, London, UK, 2019-

**Faculty** University of Michigan, Michigan Institute for Data Science (MIDAS), 2015-

**Affiliate**

**PREVIOUS PROFESSIONAL EXPERIENCE**

**Assistant** University of Michigan-Flint, Department of Geography, Planning, and Environment,

**Professor** 2010-2015

**Instructor** University of Wisconsin-Milwaukee, Department of Geography, 2010

**Instructor** Carthage College, Department of Geospatial Science, 2009

**VISITING APPOINTMENTS**

**Visiting** Bochum University of Applied Sciences (Germany), Department of Civil and

**Professor** Environmental Engineering, Spring, 2020, *postponed due to Covid*

**Visiting** Bergische University Wuppertal (Germany), Department of Urban Studies & Sustainable

**Professor** Infrastructure Planning, Fall, 2016

**REFEREED PUBLICATIONS**

**Rybarczyk. G.** andR.R. Shaker.(2021)“Predicting bicycle-on-board transit choice in a university environment” *Sustainability*, 13(2): 512; https://doi.org/10.3390/su13020512

Ozbil, A. E., Yesiltepe. D., Argin, G., and **G.** **Rybarczyk.** (2021) “Children’s active school travel: Examining the combined perceived and objective built-environment factors from space syntax” *International Journal of Environmental Research and Public Health,* 18(1): 286, https://doi.org/10.3390/ijerph18010286

Platt, L.,and **G. Rybarczyk.** (2020)“Skateboarder and scooter rider perceptions of the urban environment: A qualitative analysis of user generated content,” *Urban Geography,* DOI: 10.1080/02723638.2020.1811554

Medland, S.J., R.R. Shaker, B.R. Mackay, K. Wayne Forsythe, and **G. Rybarczyk**. (2020) “A multi-criteria wetland suitability index for restoration across Ontario’s Mixedwood Plains,” *Sustainability,* 12(23): 9953, DOI: https://doi.org/10.3390/su12239953

**Rybarczyk, G.**, A. Ozbil, E. Andresen, and Z. Hayes. (2020) “Physiological responses to urban design during bicycling: A naturalistic investigation,” *Transportation Research Part F: Psychology and Behaviour,* 68: 79-93, https://doi.org/10.1016/j.trf.2019.12.001

**Rybarczyk, G.**, D. Taylor, S. Brines, and R. Wetzel. (2019) “A geospatial analysis of ethnic food access in two Michigan cities: Investigating the importance of outlet type within active travel neighborhoods,” *International Journal of Environmental Research and Public Health,* 17(1): 166, https://doi.org/10.3390/ijerph17010166

Shaker, R.R., **G. Rybarczyk,** C. Brown, V. Papp, and S. Alkins. (2019) “(Re)emphasizing urban infrastructure resilience via scoping review and content analysis,” *Urban Science,* 3(2): 44

**Rybarczyk, G.**, S. Banerjee, M. Starking-Szymanski, and R. Shaker. (2018) “Travel and us: The impact of mode share on sentiment using geosocial media data and GIS,” *Journal of Location-Based Services,* 12(1): 40-62

**Rybarczyk, G.** (2018) “Toward a spatial understanding of active transportation modes among a university population,” *International Journal of Sustainable Transportation*, 12(9): 625-636

Morckel, V., and **G. Rybarczyk.** (2018) “The effects of the water crisis on population dynamics in the city of Flint,” *Cites & Health*, 2(1): 69-81

Starking**-**Szymanski, M., T. Yoder, **G. Rybarczyk**, and H. Dawson. (2018) “Movement and habitat use of headstarted blanding’s turtles in Michigan,” *Journal of Wildlife Management and Wildlife Monographs*, 82(7): 1516–1527

Grant, Marcus, C. Brown, M. Acuto, R. Aldridge, H. Badland, C. Brown, E. Cosgrave, B. Giles-Corti, L. F. Gomez, W. Hatton, H. Jordan, B. Marques, J. McIntosh, C. Millett, V. Morckel, M. Murphy, D. C. Parra, H. Pineo, J. D. Pinzon, H. Rutter, **G. Rybarczyk**, and N. Zimmermann. (2018) "City know-how." *Cities & Health* 2 (1): 1-10

**Rybarczyk, G.**, A. Maguffee, and D. Kruger. (2015) “The impact of public health, environmental quality, and neighborhood character on crime rates,” *Cityscape: A Journal of Policy Development and Research*, 17(1): 21-38

Morckel, V.C. and **G. Rybarczyk**. (2015) “Improving downtown in a shrinking city: A case study of Flint, Michigan,” *Community Development,* 46(4): 341-360

**Rybarczyk, G.**, and L. Gallagher. (2014) “Measuring the potential for bicycling and walking at a metropolitan commuter university,” *Journal of Transport Geography*, 39: 1-10

**Rybarczyk, G.** (2014) “Simulating bicycle wayfinding mechanisms in an urban environment,” *Journal of Urban, Planning and Transport Research*, 2(1): 89-104

**Rybarczyk, G.** and C. Wu. (2014) “Examining the impact of urban morphology on bicycle mode choice” *Environment and Planning B: Planning and Design,* 41(2): 272-288

Kodjebacheva, G., D. Kruger, **G. Rybarczyk**, and S. Cupal. (2014) “Racial/ethnic and gender differences in the association between depressive symptoms and higher body mass index among US adults,” *Journal of Public Health,* 37(3): 419-426

**Rybarczyk, G.** and R.P. Mohaprata, R. P. (2013) “Estimating neighborhood quality using empirical analysis and geographic information systems” *Journal of Urban and Regional Information Science Association*, 1: 63-76

**Rybarczyk, G.** (2012) “Forecasting bicycling risk factors within neighborhoods: A spatial autoregressive approach” *Papers of the Applied Geography Conference,* 35: 230-239

**Rybarczyk, G.** and C. Wu. (2010) “Bicycle facility planning using GIS and multi-criteria decision analysis" *Applied Geography,* 10: 282–293

Shaker, R. and **G. Rybarczyk.** (2009) “Relating environmental and socioeconomic stressors to violent crime: Evaluating three major cities in the United States” *Papers of the Applied Geography Conference,* 32: 411-419

**PAPERS IN PROGRESS**

**Rybarczyk, G.**, and Ozbil, A. E. “Walking alone or walking with someone: Assessing excess travel among children traveling to school” Transportation Research Part D. (to be submitted fall 2021)

**Rybarczyk. G.**, M. Starking, and M. Janda, “Seeing the (edible) forest for the trees: How urban foraging activity and neighborhood context are linked” *Health and Place,* (to be submitted winter 2022)

**CONFERENCE PRECEEDINGS**

**Rybarczyk, G.** (2018). "Characterizing the activity-friendly built environment using space syntax: The role of urban design in the decision to commute by bicycle: An application using space syntax." *Journal of Physical Activity & Health* 15(10): 40

**Rybarczyk, G.** and G. Melis. (2017) “Linking human health and neighborhood using Big Data: A case study in Torino, Italy” *Journal of Transport and Health*, 5 (supplement): 74-75

**Rybarczyk, G.** and S. Banerjee. (2015) “Visualizing active travel sentiment in an urban context” *Journal of Transport and Health*, 2(2): 30

**OTHER PUBLICATIONS**

Henthorn, T., and **G. Rybarczyk**, (2013) “Historical resource survey for the City of Grand Blanc, Michigan”

Morckel, V., **G. Rybarczyk**. (2013) “Preliminary results from UM-Flint’s downtown study” City of Flint Downtown Development Authority

Harris, A., **G. Rybarczyk**, V. Lukasavitz. (2012) “Promoting active living through the implementation of an educational bicycle skills course at the University of Michigan-Flint” *Michigan Bicyclist Magazine*, (November)

**PEER REVIEWED PRESENTATIONS**

**Rybarczyk, G.** “Bicycle-on-board feasibility: A spatial investigation in Flint, Michigan.” Annual Association of American Geographers Meeting, February 25th - March 1st, 2021

**Rybarczyk, G.** “Alternative foodscapes in Detroit: Exploring urban foraging behavior using GIS.” Detroit GIS Day, November 16, 2021

**Rybarczyk, G.** “Assessing the potential for increasing intermodal transportation travel in a university town.” Annual Association of American Geographers Meeting, April 7-11, 2021

Shaker, R.R.,S.Medland, K. Wayne, B, Mackay, and **G.** **Rybarczyk.** “A multi-criteria wetland suitability index for restoration across Ontario’s Mixedwood Plains.” Annual Association of American Geographers Meeting, April 7-11, 2021

**Rybarczyk, G.** “Can efficient urban design increase cycling comfortability?” Annual Association of American Geographers Meeting, Denver, CO, April 6-10, 2020. *Cancelled due to COVID-19*

**Rybarczyk, G.** and S. Banerjee, “Coupling Twitter syntax with GIS operations: The benefits and costs of extending sentiment analysis to travel mode and geography.” #UMTweetCon2019, Ann Arbor, Michigan, May 23, 2019

**Rybarczyk, G.** “Does cycling stress you out? Examining cyclist comfort using real-time data, empirical analysis, and GIS.” Annual Association of American Geographers Meeting, Washington D.C., April 3-7, 2019

**Rybarczyk, G.**, “The role of urban design in the decision to commute by bicycle: An application using space syntax.” 7th ISPAH Congress, London, United Kingdom, October 15-17, 2018

**Rybarczyk, G.** and S. Banerjee, “A spatiotemporal trend analysis of mode-choice happiness using Twitter and GIS.” Annual Association of American Geographers Meeting, New Orleans, LA, April 10-14, 2018

Melis, G. and **G. Rybarczyk**, “Moving Towards Happiness? “Understanding moods through Twitter data in Turin, Italy.” International Cycling Conference, Mannheim, Germany, September 19-21, 2017

**Rybarczyk, G.** and G. Melis, “Linking human health and neighborhood using Big Data: A case study in Torino, Italy.” International Conference on Transport and Health, Barcelona, Spain, June 27-29, 2017

**Rybarczyk, G.** “Neighborhood environment links to food access: A case study in Flint, Michigan, USA.” Annual Association of American Geographers Meeting, Boston, MA, April 5-9, 2017

**Rybarczyk, G.**, S. Banerjee, and M. Szymanski. “Pathways to happiness: A comparative study linking Twitter and contextual factors.” Mobile Tartu, 2016. Tartu, Estonia, June 29-July 3, 2016

**Rybarczyk, G.** “Spatiality and food access: Measuring geographic access to ethnic restaurants and grocers.” Annual Association of American Geographers Meeting, San Francisco, CA, April 29-March 2, 2016

**Rybarczyk, G.** “Enhancing spatial thinking through the use of learning technology.”

 Paper presented at the 5th Annual SoTL Academy, Grand Rapids, Michigan, May 19-21, 2013

**Rybarczyk, G.**, and M. Kaufman, “Space: The Final Frontier: The challenges and rewards of incorporating spatial thinking in your discipline.” Thompson Center for Learning and Teaching, Cloth-Bag Series, March, 2012

Worth-Nelson, J., **Rybarczyk, G.**, Waites, C. “Findings from a clickers clique: Report of an interdisciplinary project to implement and examine the effectiveness of student response systems.” Paper co-presented at the Lilly Conference on University and College Teaching, Washington D.C., May 31 - June 3, 2012

Worth‐Nelson, J., E. Cavusgil, **G. Rybarczyk**, and R. Barnes, “Clickers & student learning.” 2012 University of Michigan-Flint 6th Annual Assessment of Student Learning Summit, Embracing Experiential Learning: Implications & Provocations, February, 2012

**Rybarczyk, G.** and S. Banerjee. “Visualizing active travel sentiment in an urban context.” 1st International Conference on Transport and Health, London, United Kingdom, July 6th-8th, 2016

**Rybarczyk, G.** and R. Wetzel, “Examining the revealed accessibility of ethnic food resources using a multivariate spatial modeling approach and GIS.” Annual Association of American Geographers Meeting, Chicago, Illinois, April 22-26, 2015

Syagnik Banerjee, and **G.** **Rybarczyk,** “When is the boat in Chicago more fun than the bus in Boston? mining social media to assess the impact of travel mode and context on commuter emotions.” Direct/Interactive Marketing Research Summit, San Diego, CA, October 25-26, 2014

Kodjebacheva, G., S. Parker, **G.** **Rybarczyk,** “Physical activity patterns among children with asthma: Results from the 2012 National Youth Fitness Survey.” American Public Health Association Conference, New Orleans, LA, November 15-18, 2014

**Rybarczyk, G.** “Visualizing neighborhood development through a historical GIS lens: A pedagogical approach.” Applied Geography Conference, Annapolis, Maryland, October 30, 2013

**Rybarczyk, G.** “Bicycling and walking renaissance at the University of Michigan-Flint? Evidence from a stated preference survey.” University of Michigan-Flint Faculty Research and Creative Activity Summit (FRACAS), October, 18th, 2013

**Rybarczyk, G.** “Mapping food resources in Flint, Michigan.” Genesee County Health Department’s 2013 Public Health Week Conference, Flint, Michigan, May 7, 2013

**Rybarczyk, G.** “Forecasting bicycling risk factors within neighborhoods: A spatial

 autoregressive approach.” Applied Geography Conference, Minneapolis, Minnesota, October 10-13, 2012

Worth-Nelson, J., **Rybarczyk, G.**,C.Waites. “Findings from a “clickers clique”: Report of an interdisciplinary project to implement and examine the effectiveness of student response systems.” Lilly Conference on University and College Teaching, Washington D.C., May 31 - June 3, 2012

Henthorn, T., and **G.** **Rybarczyk,** “Practicing public scholarship using history and geographic Information Systems.” University of Michigan-Flint Research Spotlight event. April, 4, 2012

**Rybarczyk, G.** “Instituting an agent based modeling framework to assess bicyclist behavior.”

Annual Association of American Geographers Meeting, New York, New York, February 24-28, 2012

**Rybarczyk, G.** “Supporting visual cues to assess bicycle mobility.” Annual Association of American Geographers Meeting, Seattle, Washington, April 12-16, 2011

**Rybarczyk, G.** and R. Mohapatra. “Mapping neighborhood quality: An integration of GIS and data reduction techniques.” Annual Association of American Geographers Meeting, Seattle, Washington, April 12-16, 2011

**Rybarczyk, G.** “Examining predictive factors of bicycle mode choice.” Annual Association of

 American Geographers Meeting, Washington D.C., April 12-18, 2010

Shaker, R. and **G.** **Rybarczyk,** “Relating environmental and socio-economic stressors to violent crime: evaluating three major cities in the United States.” Tenth Annual Crime Mapping Research Conference, New Orleans, LA, August 17-22, 2009

**Rybarczyk, G.** “A network topological approach to forecasting bicycle travel.” Annual American Planning Association Meeting, Minneapolis, MN, April 26-28, 2009

**Rybarczyk, G.** and C. Wu, “Quantifying the human perception of bicycle travel.” Annual Association of American Geographers Meeting, Las Vegas, NV, March 23-27, 2009

**Rybarczyk, G.** “Assessing the impact of network topology on recreation and utilitarian bicycle travel." Joint Meeting of Eastern and Western Great Lake Regions of American Society for Photogrammetry and Remote Sensing (ASPRS), Waukesha, WI, June 13, 2008

**Rybarczyk, G.** “Bicycle travel demand using urban morphological indicators.” Annual Association of American Geographers Meeting, San Francisco, CA, April 17-21, 2007

**Rybarczyk, G.** “Using GIS and a multi-criteria decision analysis for bicycle facility planning: a case study in Milwaukee, Wisconsin.” Annual Association of American Geographers Meeting, Chicago, IL, March 8-11, 2006

**Rybarczyk, G.** “The integration of multi-criteria evaluation and least cost path analysis for bicycle facility planning.” National Pro Bike/Walk Conference, Madison, WI, Sept. 5-8, 2006

**INTERNATIONAL INVITED TALKS**

“Bicycling, visibility, and wayfinding ability in an urban area,” 7th International Society for Physical Activity and Health Congress, London, United Kingdom, October, 2018

“Sustainable transportation in the U.S. - policy implications.” Department of Urban Studies & Sustainable Infrastructure Planning, Bergische Universität Wuppertal, December, 2016

“Examining the utility of Big Data in a GIS environment,” Department of Department of Civil Engineering, Bergische Universität Wuppertal, University of Wuppertal, November, 2016

“Does human sentiment influence mode-choice? Estimating the relationship in an urban context,” Social Media & GeoDesign, International Experiences in Urban Planning Symposium. SiTI - Higher Institute on Territorial Systems for Innovation Sala CDA, Turin, Italy, November, 2016

**DOMESTIC INVITED TALKS AND PANALS**

“Linking Food Access to Sustainability Objectives,” Ryerson University, Toronto, CA, Department of Geography and Environmental Studies, November, 2021

“A GIS Analysis of Neighborhood Food Access in Flint, Michigan.” California State University – Los Angeles, Department of Geosciences and Environment, March, 2021

“Exploring the connections among urban transport, environment, and health: a geospatial approach,” The University of Virginia, Department of Urban and Environmental Planning, April, 2019

“Under what circumstances is travel enjoyed? Modeling transportation sentiment in two U.S. cities,” Department of Geography and Environmental Studies, Central Michigan University, February, 2019

“Mining geo-social media data to assess the impact of mode-share and context on traveler emotion,” Western Michigan University, Department of Geography, April, 2018

“Student and faculty perspectives on international opportunities at the University of Wuppertal, Germany,” International Education Week, The University of Michigan-Flint,December, 2017

“Active travel potential among a university population,” University of Michigan-Flint,Thompson Center for Learning and Technology, April, 2016

“Linking bicyclist wayfinding to urban form and vision.” Iowa State University, College of Design, April, 2014

“Using GIS and spatial modeling to examine active travel potential in a university town,” University of Kansas, Department of Geography and School of Business, Lawrence, Kansas, November, 2014

“Visualizing travel attitudes: The role of GIS and Big Data,” University of Kansas, School of Business, Lawrence, Kansas, November, 2014

Pedestrian & Bicycle University Education Subcommittee, Panel discussion, Transportation Research Board meeting, September, 2014

University of Michigan-Flint, Thompson Center for Learning and Technology Engaged Scholar Faculty Panel, September, 2013

“The nexus between bicycling and urban design,” Minnesota State University, Department of Geography, Presentation for GIS Seminar Series, April, 2012

**RESEARCH AWARDS, GRANTS, AND CONTRACTS**

University of Michigan-Flint, Office of Research and Economic Development, Urban Sustainability and Environmental Health Research Cluster Award, 2021 ($16,844)

“Monitoring Flint drinking water for elevated heavy metals” 2021, ($9,440), Role: Co-PI

University of Michigan-Flint, Scholarly or Creative Achievement Award, 2018 ($2,000)

“The role of time, space, sentiment, and travel model on food access.” 2016, ($2,000) University of Michigan-Flint’s 60th Anniversary Research Grant. Role: PI

“The effects of the flint water crisis on population dynamics: will residents flee flint?” 2016, ($10,000) The University of Michigan. Role: Co-PI

“Promoting environmental sustainability, health, and well-being by improving the appearance of the Harrison street parking structure.” 2015, ($10,000) UM-Flint Innovative Impact Award. Role: PI

University of Michigan-Flint, Information and Technology Services Technology Committee, “Academic Software Proposal,” 2013, ($2,000)

Bicycle & Pedestrian Curriculum Workshop, 2013, ($900), Initiative for Bicycle & Pedestrian Innovation, Portland State University, 2013

“Examining disparities in food access and enhancing the food security of underserved populations in Michigan,” 2012, ($4,000,000) USDA. Role: Co-PI

Safe & Active Genesee for Everyone Mini-Grant for: “UM-Flint Bicycle Skills Course Installation” 2012, ($1,200), Role: Lead PI

“Catalyst course design project” 2012, ($1,000) University of Michigan-Flint, Thompson Center for Learning and Teaching. Role: Co-PI

“City of Flint park equity assessment” 2012, ($1,000) Crim Fitness Foundation, Role: Lead PI

“UM-Flint back to school smart commute event” 2011, ($1,000) Safe & Active Genesee for Everyone Mini-Grant. Role: Lead PI

“Academic software proposal,” 2011, ($3,500) Information and Technology Services, Technology Committee, University of Michigan-Flint. Role: Lead PI

“An areal analysis of crime risk in Flint, Michigan,” 2010, ($8,416) Research and Creative Activity Fund, University of Michigan-Flint. Role: Lead PI

“Academic software proposal,” 2010, ($2,000) Information and Technology Services, Technology Committee, University of Michigan-Flint. Role: Lead PI

“Course design catalyst program,” 2010 ($2,500) Thompson Center for Learning and Research, University of Michigan-Flint. Role: Lead PI

“University of Michigan-Flint bicycle program GIS assessment,” 2010, ($3,040), Auxiliary and Recreational Services, University of Michigan-Flint. Role: Co-PI

“City of Grand Blanc 2011-2012 historic preservation plan,” 2010, ($5,000), City of Grand Blanc, Michigan, Role: Co-PI

“Mary Jo Read travel grant” Awarded by the University of Wisconsin-Milwaukee Geography Department for conference presentation, 2009, 2008, 2007, 2006

“Wisconsin Department of Transportation travel grant**”** Awarded for conference travel to the National ProBike/Walk Conference, 2006

“ESRI Student Travel Grant” Awarded by Environmental Systems Research Institute (ESRI) for conference travel, 2006

**TEACHING EXPERIENCE**

**University of Michigan-Flint, Department of Geography, Planning, and Environment**

Undergraduate geospatial courses

Introduction to Spatial Analysis, (GIS 203), Fall 2010-

Applications in GIS – Public Health and GIS, (GIS 270), Winter 2012

Remote Sensing of the Environment, (GIS 404), Winter 2013-

Undergraduate/graduate geospatial courses

Introduction to Geographic Information Systems (GIS 452/552), Fall 2010-

Geographic Information Analysis, (GIS 453/553), Winter 2011-

GIS Project Management and Planning, (GIS 477/577), Winter 2011-

Spatial Analysis Seminar, (GIS 494/594), Fall 2013-

Undergraduate planning courses

Food Systems Planning, (ENV 291), Winter 2014

Transportation Planning, (URP 491), Winter 2011-

Geography of Sustainable Transportation, (URP 490), Winter 2012

**Carthage College, Department of Geospatial Science**

Undergraduate planning courses

Economic Geography, (Geography 215), Summer, 2009

**University of Wisconsin-Milwaukee, Department of Geography**

Undergraduate geospatial courses

Introduction to Geographic Information Science, (Geography 215), Spring 2008-2010

Geographic Information Science, (Geography 525), Fall 2007-2008

Intermediate Geographic Information Systems, (Geography 625), Fall 2006 – 2008

Remote Sensing: Environmental and Land Use Analysis, (Geography 403), Spring 2006

**STUDENT MENTORING**

Master’s Student Advisor

Christopher Roelandt, M.S. *(University of Michigan-Flint)* M.S. Thesis title: *“Using Body-condition of the American Woodcock as an Indicator of Habitat Quality”* In progress

Laura Gallagher (*Michigan Technological University*) M.S., Civil Engineering, completed Fall, 2018

Melissa Szymanski, *(University of Michigan-Flint)* M.S. Thesis title: *“Survival of headstarted Blanding’s Turtles (Emydoidea blandingii) attributable to habitat factors at release sites in Shiawassee National Wildlife*,” completed Summer, 2016

Undergraduate Student Research Supervision:

Marlana Janda, GIS Research Assistant, 2020-2021

Max Lester, Honors Thesis Advisor, 2019-2021

Katie Yates, GIS Research Assistant, 2019

Leslie Phillips, GIS Research Assistant, 2019

Michael Kellar, GIS Research Assistant, 2019

Zachary Hayes, Honors Thesis Advisor 2017-2018

William Gibala, GIS Research Assistant, 2016

Melissa Szymanski, GIS Research Assistant, 2016

Krista Bergman, GIS Research Assistant, 2015-2016

Richard Wetzel, GIS Research Assistant, 2013-2016

Alex Maguffee Research Assistant, 2013-2014

Alan Harris Research Assistant, 2012-2014

Tom Veldman, GIS Technician, 2013-2014

Carissa Harcz Research Assistant (UROP), 2013

Genevieve Colon Research Assistant (GSRA), 2012-2013

Laura Gallagher Research Assistant, 2011-2013

Katie Klimaszewski Research Assistant (UROP), 2011

Caitlain Wagner Research Assistant (UROP), 2012

Rebecca Farr Research Assistant (UROP), 2012

Kyle Haller Research Assistant (UROP), 2011

Kathleen McCabe Research Assistant, 2011

Shane Kelly Research Assistant, 2011-2012

Danielle Harbin M.S. non-reader, 2011

Teaching Supervision:

Katie Yates, 2019-2020

Ahmed Alaiwat, GIS Teaching Assistant, 2018-2019

Mathew McCloskey, Teaching Assistant, winter, 2018

Zachary Hayes, Teaching Assistant, winter, 2017

Melissa Szymanski Teaching Assistant, fall 2014-winter 2016

Jason Dellamater Teaching Assistant, winter 2014

Joe Sulfuro Teaching Assistant, winter 2013

**DEPARTMENTAL SERVICE**

**Member,** Faculty Affairs Committee, 2021-

**Director, GIS Program,** 2017-

**Member,** Junior Faculty Review Committee, 2016-

**Member,** Tenure-track Promotion Committee, 2016

**Co-coordinator,** Geographic Information Systems Center (GISC), 2013-2018

**Organizer/presenter,** International Geographic Information Systems Day, 2013

**Participant,** CAS Committee of Chairs, 2013

**Organizer/presenter,** GPE Geographic Information Systems Workshop (3), 2012

**Member,** Faculty Search Committee (2), 2011, 2013; Co-chair, 2012

**Member,** TCP Social Studies faculty employment search committee, 2011

**Member**, Scholarship Committee, 2011-2020

**COLLEGE SERVICE**

**Member,** Executive Committee, 2021-

**Member,** Marketing and Communications Committee,2019-2021

**Member,** Lotfi FamilyScholarship and Eugene W. Geniesse, Sr. Science Committees, 2018-2021

**Member,** Library Staff Promotion Committee, 2016

**Member,** College of Arts and Sciences Dean Search Committee, 2015

**Presenter,** CAS Honors Ceremony (2), 2012-2013

**Member**, (MSLB) Capital Outlay Project, 2011

**UNIVERSITY SERVICE**

**Leader,** The Urban Sustainability and Environmental Health Research Group,UM-FlintOffice of Research and Economic Development, 2020-

**Member,** Data Analytics Interdisciplinary Planning Committee, 2020-

**Member,** Faculty Grievance Hearing Panel, 2020-

**Chair,** Administrative Services Advisory Committee,2019-2020

**Member,** Administrative Services Advisory Committee,2017-2020

**Member,** International Study Abroad Study Group,2018-2019

**Global Ambassador,** International Center, 2018-2019

**Chair,** University Library Committee, 2015-2016

**Member,** Thompson Library Senior Associate Librarian Promotion Committee, 2015

**Presenter,** Super Science Friday event (2), 2014, 2011

**Member,** Library Committee, 2013-2016

**Co-Coordinator,** UM-Flint Spatial Data Repository Project, 2013-2014

**Member,** UM-Flint Bike and Walk Working Group, 2011-present

**Participant**, UM-Flint-DPS “Touch-a-Truck” event

**Participant,** UM-Flint Earth Day event, 2012

**Participant,** UM-Flint Women’s Night Out event, 2012

**Co-Presenter,** Michigan Small Cities Organization, 2012

**Member,** UM-Flint League of American Bicyclists, Bicyclist Friendly University designation committee

**Participant,** UM-Flint Open House event, 2011

**Consultant,** UM-Flint-DHS Hazard Mitigation Project, 2010-2012

**Co-organizer/grant writer,** UM-Flint Smart Commute event/grant, 2011-2012

**Participant,** UM-Flint State of Michigan Internship Program, 2011

**Participant,** UM-Flint New Student Orientation, 2010

**COMMUNITY, SERVICE**

**Member,** Regional Transit Authority (RTA) Citizen Advisory Committee, 2019-

**Member,** Steering Prevention Reducing Obesity Utilizing Teamwork, 2017-

**Member,** Bay Region Bike and Ped Committee, 2016-

**Member,** Speak to Your Health! Community Survey-Data Analysis Team, 2016-

**Member,** Safe and Active Genesee County for Everyone (SAGE), 2010-

**Member,** Safe and Active Genesee County for Everyone (SAGE) Policy Committee, 2016-2018

**Coordinator,** City School (Grand Blanc, MI) student Geography poster exposition, 2014

**Coordinator,** UM-Flint International GIS Day, 2013

**Participant,** City of Flint, Grand Traverse Greenway stakeholder meeting, 2014

**Member,** Flint/Fenton Bicycle Race Organizing Committee, 2010-2012

**Member,** Crim Fitness Foundation, Tour of Flint Committee, 2011-2012

**Consultant,** Flint Farmer’s Market mapping project, 2011

**Grant writer,** Flint Bicycle Share System, Crim Fitness Foundation, 2011

**Co-Presenter,** Michigan Historic Resource Community Forum, 2011

**Co-Presenter,** Grand Blanc, Michigan City Council Meeting, 2011

**PROFESSIONAL SERVICE**

**Editorial journal advisor,** *Cities & Health*, Taylor & Francis, 2016-

**Board member,** International Professional Association for Transport & Health (IPATH), 2017-2021

**Member,** Transport and Health Study Group, 2016-

**Member,** Transportation Research Board, Joint Subcommittee on Pedestrian and Bicycle University Education, 2013-

**Member,** Education Committee, Association of Bicycle and Pedestrian Professionals, 2015-

**Member,** League of Michigan Bicyclists, 2010-

**Member,** Association of Bicycle and Pedestrian Professionals, 2006-2016

**Member,** Association of American Geographers, 2005-

**Manuscript reviewer,** *Cities and Health* (3), *Cities* (1), *Social Science and Medicine* (1); *Environment and Behavior* (1); *Transportation Research Part C* (1); *Applied Geography* (2); *Papers of the Applied Geography Conference* (1); *Transportation Research Board* (2); *International Journal of Sustainable Transportation* (2); *Journal of Transport* Geography (2); *International Journal of Information Technology & Decision Making* (1); *Wisconsin Geographer* (1); *Journal of Transport & Health* (2); *Environment and Planning B: Urban Analytics and City Science* (1); *Operations Research For Health Care* (1); *Health and Place* (1), *International Journal of Geospatial and Environmental Research* (2), *International Journal of Geographical Information* Science (1), *Sustainability* (4), *American Journal of Preventative Medicine* (1), *PlosOne* (1), *Urban Design International* (1), and *Landscape and Urban* Planning (1)

**Conference session co-organizer,** Association of American Geographers Annual Conference, titled: “Sustainability Science and Applied Geography: A New Research Paradigm for Geographers," New York NY, February, 2011

**Conference session chair,** for the Association of American Geographers Annual Conference, titled: “The Underappreciated Mode: Bicycling as Transportation,” Seattle, Washington, April, 2011

**Conference session chair,** Association of American Geographers Annual Conference, titled: “Transportation Modeling and Analysis,” Washington D.C., April, 2010

**Conference session co-organizer,** American Planning Association National Conference, titled: “Mobility in the 21st Century," Minneapolis, MN, April, 2009