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EDUCATION

Sept. 2018 – present.	**Ph.D. in Geography**	The Ohio State University
	Advisor: Dr. Harvey J. Miller	
Dec. 2017	**M.S in Geographic Information System**	Eastern Michigan University
	Advisor: Dr. Yichun Xie	
Apr. 2015	**B.S in Computer Science**	Eastern Michigan University

RESEARCH INTERESTS

Empirical: Public health; Opioid epidemic; Social-environmental justice; Urban and neighborhood dynamics

Methodological: Geographic information science; Spatial statistics; Spatial analysis and modeling; Computational social science

PROFESSIONAL APPOINTMENTS

Sept. 2019 – present. Graduate Teaching Assistant; Department of Geography, The Ohio State University

Sept. 2018 – Aug. 2019 Graduate Research Assistant; Center for Urban and Regional Analysis (CURA), The Ohio State University

Dec. 2017 – May. 2018 Visiting Lecturer & GIS Support; Martin Luther King Jr. High School, Detroit

Sept. 2015 – Dec. 2017 Graduate Research Assistant; Institute for Geospatial Research and Education (IGRE), Eastern Michigan University

Dec. 2014 – Apr. 2015 Teaching Assistant; Department of Geography and Geology, Eastern Michigan University

PUBLICATIONS

2020. **Li, Y.**, Hyder, A., Southerland, L.T., Hammond, G., Porr, A. and Miller, H.J. "311 service requests as indicators of neighborhood distress and opioid use disorder," *Scientific Reports*, 10, 19579.

2018. **Li, Y.** and Xie, Y. "A new urban typology model adapting data mining analytics to examine dominant trajectories of neighborhood change: A case of Metro Detroit," *Annals of the American Association of Geographers*, 108(5), 1313-1337.

HONORS AND AWARDS

2018. Best Oral Presentation Award, 2nd LIESMARS International Graduate Workshop on Geo-informatics

2017. Third Place Award, Student Paper Presentation, Annual meeting of East Lakes Division of the American Association of Geographers

2016. Second Place Award, Student Project Presentation, 3rd LIESMARS Geo-informatics Summer School

CONFERENCES

2020. **Li, Y.**, "Identifying potential community level targets to reduce opioid use disorder: Spatial associations between 311 service requests and opioid overdose events," *3C (Cleveland, Columbus, and Cincinnati) GIS Day Lightning Talks*, Columbus, Ohio, November

2018. **Li, Y.**, "A new urban typology model adapting data mining analytics to examine dominant trajectories of neighborhood change: A case of Metro Detroit," *2nd LIESMARS International Graduate Workshop on Geo-Informatics*, Wuhan University, Wuhan, China, July

2018. **Li, Y.**, "Mapping the evolution of cities," John Odland Award student paper competition (Spatial Analysis and Modeling Specialty Group), *Annual meeting of American Association of Geographers*, New Orleans, Louisiana, April

2017. **Li, Y.**, "Examining dominant trajectories of neighborhood change: A case of Metro Detroit, 1970 – 2010," *Annual meeting of East Lakes Division of the American Association of Geographers*, Ypsilanti, Michigan, October

2017. **Li, Y.**, "Neighborhood transition and escalating vacancy in metropolitan Detroit," *Annual meeting of American Association of Geographers*, Boston, Massachusetts, April

2016. **Li, Y.**, "Analyze Detroit's shrinkage by observing its socioeconomic transitions," *4th Annual International Conference on Geo-informatics in Sustainable Ecosystem and Society*, Ypsilanti, Michigan, October

PROJECT EXPERIENCES

Sept. 2018 – Aug. 2019 Core Developer; Franklin County Opioid Crisis Activity Levels (FOCAL) Map, Center for Urban and Regional Analysis (CURA), The Ohio State University

Sept. 2017 – May. 2018 Lecturer; GIS Resources and Applications for Career Education (GRACE) Project, Institute for Geospatial Research and Education (IGRE), Eastern Michigan University

TEACHING EXPERIENCES

Guest Lecturer:	GEOG 8102: Advanced Spatial Data Analysis (Spring 2020)
	GEOG 4103: Introductory Spatial Data Analysis (Fall 2019)
Graduate Teaching Assistant:	GEOG 5210: Fundamentals of Geographical Information Systems (Fall 2020)
	GEOG 5222: GIS Algorithms and Programming (Spring 2020)
	GEOG 4103: Introductory Spatial Data Analysis (Fall 2019)

SERVICE

Reviewer for Academic Journals:	*Cities* (1)
	Geomatics and Information Science of Wuhan University (1)
	Journal of Geomatics (4)

MEDIA

2020.   "Non-drug 311 calls can indicate opioid hotspots: study," *Smart Cities Dive*, November 13.
2020.   "City 311 data could predict opioid hotspots," *Cities-Today*, November 13.
2020.   "Study: 311 calls may predict opioid overdose hotspots," *United Press International Health News,* November 11.
2020.   "Calls to city 311 lines can predict opioid overdose hotspots," *Ohio State News*, November 11.
2020.   "Service requests to city telephone lines can help identify 'hotspots' for opioid overdose," *The Medical News*, November 11.
2020.   "Calls to city 311 lines can predict opioid overdose hotspots," *MedicalXpress*, November 11.