

Curriculum Vita

Marie Holler

Mapping & Data Visualization Specialist
W.E. Upjohn Institute for Employment Research
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FIELDWORK AND SKILLS

Competency in ESRI ArcGIS 10.x and 9.x, QGIS Pisa, Chugiak and Essen, Google Earth, Microsoft Office, and Python.

EDUCATION

University of Sheffield, Sheffield, England
M.Sc. Applied GIS, September 2016
Dissertation: The effects of green roofs on air pollution abatement in Chicago
Professional GIS Project for Transport for Greater Manchester focusing on the effects of tram lines on house prices

Michigan State University, East Lansing, Michigan
B.Sc. Geography and GIS, May 2015
Dean's List, September 2012 – May 2015
Member of Gamma Theta Upsilon Geographical Honor Society

Dane Court Grammar School, Broadstairs, UK
International Baccalaureate Diploma, June 2011
Higher Level Subjects: English, Math, and Geography

POSITIONS

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| September
2016 - Present | W.E. Upjohn Institute for Employment Research, Kalamazoo, MI
Analyzed parcel data for Kalamazoo, MI as part of the Urban Growth Initiative. Updated web maps on Upjohn.org. Mapped career and technical education graduates in Southwest Michigan. |
| May – August
2015 | Remote Sensing and Geographic Information Systems at Michigan State University, Lansing, MI
Used ArcMap 10.1 to digitize rights-of-way from written descriptions. Edited shapefiles of land owned by the transportation department of Macomb county, MI. |
| September
2013 – January
2015 | Michigan State University Map Library
Assisting Patrons in locating maps. Cataloguing and organizing maps according to the Library of Congress and American Geographical Society call number systems. |

- May 2014 **The Greater Lansing Housing Coalition GIS Internship**
Created GIS maps for a document detailing affordable housing in the Lansing area as part of a report for the Tri-County Regional Planning Commission. Imported spreadsheets from the CIA, the Capital Area Transportation Authority, and local businesses.
- June – August 2013 **Association of American Geographers Internship**
Used Excel and Zotero to perform administrative tasks including the 10,000-member database. Participated in research team meetings to learn about AAG programs and offered constructive input.

PUBLICATIONS AND GEOGRAPHY-RELATED EXPERIENCE

[“Loamy, two-storied soils on the Outwash Plains of Southwestern Lower Michigan: Pedoturbation of loess into the underlying sand.”](#) *Annals of the Association of American Geographers*, pp. 106, 551-572, 2016. (with M.D. Luehmann, B. Peter, C.B. Connallon, R.J. Schaetzl, S.J. Smidt, W. Liu, T.A. Walkowiak, E. Thorlund, and K. Kincare).

Extended Essay Project as part of the core requirements of the International Baccalaureate, June 2011.

Identified the types of hard engineering and impact they had on landforms by carrying out bipolar evaluations, Hudson’s value, and shingle size classification. Results show that rip rap is safe in a 2m or 3m storm wave.

FUNDED RESEARCH

[Evaluation of the Battle Creek Jobs Fund.](#) June 30, 2018. (Supported by Battle Creek Unlimited [with George A. Erickcek, Jim Robey, Claudette Robey, Brian Pittelko, and Don Edgerly]).

[The National-Level Economic Impact of the Manufacturing Extension Partnership \(MEP\): Estimates for Fiscal Year 2017.](#) April 23, 2018. (Prepared for the National Institute of Standards and Technology [NIST] and Manufacturing Extension Partnership [MEP] [with Jim Robey, Randall W. Eberts, Kathleen Bolter, Brian Pittelko, and Claudette Robey]).

[Urban Growth Initiative for Greater Downtown Kalamazoo.](#) March 20, 2018. (Supported by the City of Kalamazoo, Brownfield Development Authority [with Jim Robey, Randall W. Eberts, Lee Adams, Kathleen Bolter, Don Edgerly, Brian Pittelko, and Claudette Robey]).

[The National-Level Economic Impact of the Manufacturing Extension Partnership \(MEP\).](#) March 3, 2017. (Prepared for the National Institute of Standards and Technology [NIST] and Manufacturing Extension Partnership [MEP] [with Jim Robey, Randall W. Eberts, Kathleen Bolter, Nicholas Marsh, Brian Pittelko, and Claudette Robey]).