Joshua Csapo | Resume

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Passionate about the use of spatial analysis to better understand the problems we face.

Education

University of Michigan - Flint	**Flint, MI**
Mathematics (BS), Geographic Information Systems	*2013–2017*

University of Wisconsin – Madison	
Graduate Program in Geographic Information Systems Development	*2021-Current*

Employment

Auto-Owners Insurance	**Lansing, MI**
Senior Software Developer	*May 2019 - current*

In my capacity as software developer, I am responsible for maintaining and improving our batch COBOL mainframe infrastructure. As a member of the Personal Property team, I work across a number of lines helping to institute additional and statutory changes to provide a better service to our customers. I worked as the Documents leg lead, handling production issues, code changes and updates and project review. I have since moved to Production Support. In addition to learning Java to allow me to work on our web platforms, I will now be responsible for solving more user-facing issues.

Oakland University Department of Mathematics and Statistics	**Rochester, MI**
Graduate Teaching Assistant	*September 2017–April 2019*

Over the course of my graduate program, I have worked for the department as a teaching assistant. Among my responsibilities were proctoring and grading exams, monitoring and assisting in the department computer lab, administration and set up of undergraduate courses, and serving as primary instructor for a number of lower-level undergraduate courses.

City of Grand Blanc	**Grand Blanc, MI**
GIS Database Manager	*May 2015–August 2017*

As GIS manager, I worked closely with the City of Grand Blanc DPW to accurately assess and monitor numerous municipal systems. In addition to thematic maps, I was responsible for the city's overall data representation, management and acquisition, as well as performed a variety of spatial analyses. I also worked with city management on various projects.x

Academic/Research Experience

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University of Michigan School of Public Health   **Ann Arbor, MI**

Research Assistant - GIS   *April 2016–December 2016*

Within the University of Michigan School of Public Health is the Prevention Research Center. As the name suggests, this small branch of the U of M SPH focuses on preventative, proactive civil research. The project I was attached to was investigating the effectiveness of "Busy Streets" theory, a revivalist response to "Broken Windows" theory. As a research assistant, I was responsible for the aggregation and management of survey and spatial data, as well as documenting research procedure.

Willamette University Mathematics Consortium   **Willamette, OR**

Researcher (undergraduate)   *May 2015–August 2015*

This program was associated with the NSF Research Experience for Undergraduates. Out of a national pool of candidates, I was selected to participate in Willamette University's summer mathematics research program. Our group research focused on Algebraic Voting Theory. In addition to exposure to the mathematical content, I learned effective methods of research with strict parameters. Most importantly, it was my first exposure to a real "out-of-classroom" problem

University of Michigan School of Public Health   **Ann Arbor, MI**

Research Assistant - GIS   *April 2014–January 2015*

As an undergrad at U of M - Flint, I was recommended by a professor to assist in a research project being conducted by the Ann Arbor campus School of Public Health. The intent of the study was to better understand geographic relationships with certian morbidity factors; specifically, it was interested in the aggregation of multi-morbidity factors. I was asked to geocode and manage confidential health information, as well as provide various spatial analyses.

Technical and Personal skills

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- Proficient in ESRI software suite
- 3 years of experience GIS data management, analysis and support
- Familiar with advanced GIS principles and applications
- Familiar with software development principles
- 4 years of COBOL mainframe, groovy and integrations development
- Experienced in study/report compilation and presentation
- Consistently rated high and/or excellent in categories regarding interpersonal skills, team work and relationship building