

Sam Hetherington

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East Lansing, MI

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EXPERIENCE

Michigan Department of Transportation — *Transportation Planner*

JULY 2023 – PRESENT

Responsible for the development and application of specific technical tools used in transportation planning including, but not limited to Geographic Information Systems (GIS), travel demand modeling software, and statistical and data analysis, to support the Statewide and Urban Travel Analysis (SUTA) Section. Responsible for the development, update, calibration, and application of urban travel demand models and procedures in Michigan's urbanized areas (over 50,000 population).

Student Assistant

FEBRUARY 2023 – JULY 2023

Assign historical traffic data, data scrubbing, data review, and data entry for the Traffic Data Management System. GIS data maintenance, processing, and integration utilizing ArcGIS and ESRI software for reviewing, editing, and geoprocessing of traffic-related datasets.

Research Assistant

JANUARY 2022 – SEPTEMBER 2022

Collect data, perform statistical analysis, and submit written reports for public transit agencies in Michigan.

MSU Infrastructure Planning and Facilities — *Maintenance Assistant II*

JANUARY 2020 - JANUARY 2022

Provide support to skilled trade roofers, masons, carpenters, and painters in the maintenance and repair of university buildings.

P.I. Engineering Inc. — *Technician*

SEPTEMBER 2017 - JULY 2018

Product assembly, machining, testing, software programming.

Toronto Brigantine Inc. — *Sailor*

JULY 2013 - DECEMBER 2018

Lead Hand, Petty Officer, Jr. Watch Officer, Sr. Watch/Engineering Officer aboard a traditionally rigged brigantine.

EDUCATION

M.S. and B.S. Urban & Regional Planning — *Michigan State University*

AUGUST 2018 – MAY 2023

Minor in Leadership of
Organizations

Professional Certificate in GIS

SKILLS

- ArcGIS
- TransCAD
- Esri Business Analyst
- Microsoft Office
- AutoCAD and Sketchup
- Writing and Communication
- Leadership
- Teamwork
- Charrette Systems
- Adobe Creative Suite

INVOLVEMENT

- MSU Urban & Regional Planning Student Association
- APA Student Member
- European Planning and Redevelopment Study Abroad
- Duke of Edinburgh Silver Award
- Potter Park Volunteer Zookeeper