

Quinn Molloy

Critical Transportation Geographer
Researcher, Data Analyst

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Interdisciplinary social scientist interested in developing equitable, sustainable places.

Education

PhD, Geography (2024), University of Connecticut
Transportation equity & vehicle dependence

BA, Geography (2012), Keene State College

Publications

A New Approach to Understanding the Impact of Automobile Ownership on Transportation Equity

- Transportation Research Record, 2023
Black Households are More Burdened by Vehicle Ownership than White Households
- Transportation Research Record, 2024
The City in the Western Tradition 3rd Edition
- Kendall-Hunt, 2021

Relevant Awards

- Dwight David Eisenhower Transportation Fellowship
- UConn Outstanding Graduate Student
- Teaching Award
- Esri Special Achievement in GIS

Affiliations

- Women in Transportation
- American Association of Geographers
- Transportation Research Board
- Northeast Arc User Group
- New England URISA

Recent Presentations

2023

- American Planning Association Conference panelist
- Transportation Research Board poster

2022

- Northeast Multimodal Transit Summit moderator
- WTS Transportation Mini-series panelist

Teaching Experience

Primary Instructor

2021-ongoing, 7+ semesters, in-person & online

- The City in the Western Tradition
- Global Urbanization
- Introduction to Sustainable Cities

Teaching Assistant

2021-ongoing, 7+ semesters

- Environmental Studies & Climate Change
- Geography & Urbanism
- Summer field course in Zürich

Work Experience

University of Connecticut

Researcher/Teaching Assistant 2019 - ongoing

Primary research is related to household impacts of vehicle-oriented infrastructure; creative strategies to the development of equitable and sustainable places. I teach classes on sustainable cities and urban geography.

- Data collection, cleaning, management, and analysis; develop course materials, lecture, manage complex interpersonal interactions; synthesize and communicate complex ideas, present research.

Massachusetts Department of Transportation

Transportation Program Planner III (GIS Analyst, Data & Analytics Team Leader, Municipal Data Coordinator) 2014-2019

I worked at the intersection of data analysis and human process improvement, identifying new ways to create and use data to improve decision making.

- Collect, clean, and analyze data; plan and manage the development of new tools for data collection and analysis; create maps, graphs, graphics, dashboards and other visualizations to communicate results; coordinate projects between municipal, regional, state, and private partners; identify potential workflow improvements.

Tufts Metric Geometry and Gerrymandering Group

Data analyst/coordinator 2020-2021

- Collect, clean, and analyze data; document and improve internal processes.

True North Consulting

Business Process Analyst, GIS Services Drone Team & LiDAR Researcher 2020

- Research related to drones and LiDAR; identify business process improvements, transportation equity.

Upper Valley Lake Sunapee Regional Planning Commission

Assistant Regional Planner (GIS Analyst) 2013-2014

- GIS and data specialist; attend public meetings; regional plan development.

Miscellaneous Research Roles

- CT Oral Health Initiative 2022
- Desegregate CT (pro-bono) 2020-2021
- National Highway Cooperative Research Program 08-123 panel member 2018-2021
- Governor's Commission for the Future of Transportation subject matter expert 2018

Technical Skills

ArcGIS (Desktop, Pro, Mobile Apps, Online, Server), Python, R, Microsoft Office Suite, Adobe Suite (InDesign, Acrobat, Photoshop, Illustrator, Premiere), QGIS, SPSSx, Capcut

Broad Skills

Science communication, Public speaking, Anticipatory thinking, Interdisciplinary collaboration, Problem-solving, Adaptability, Iterative process management