

# QUINN MOLLOY

 Storrs, CT

*Ph.D. Student of Geography*



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## PROFILE

*I am a first year Ph.D. student in the department of Geography at the University of Connecticut. Before returning to academia I had a successful career in state government, working as a Transportation Planner and GIS Coordinator for the Commonwealth of Massachusetts Department of Transportation.*

## EDUCATION

### UNIVERSITY OF CONNECTICUT

*Ph.D. in Geography / 2019-Present*

- Interests: Sustainable cities, Urban transportation, Transportation Equity, GIS, Emerging technologies
- Advisors: Carol Atkinson-Palombo (Geography) and Norman Garrick (Civil Engineering)
- Currently a Research Assistant for the Transportation, Technology, & Society research group.

### KEENE STATE COLLEGE

*B.A. in Geography / 2009 - 2012*

- Specializations in Environmental Studies, and Geographic Information Systems
- Thesis Project - *Local Food Systems in Cheshire County*: Worked with regional agencies to catalog and identify trends in agricultural activity. Our research indicated that a more systematic reliance on local producers by institutions could reduce environmental impacts while improving outcomes for the small business economy.

## AWARDS

- Aetna Graduate Creative Nonfiction Award 2019
- Massachusetts Department of Transportation Certificate of Excellence 2018
- Massachusetts Department of Transportation READi Innovation Award 2018
- Esri Special Achievement in GIS 2016
- Dean's List Keene State College 2009-2012

## AFFILIATIONS

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

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## RESEARCH EXPERIENCE

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### TRANSPORTATION, TECHNOLOGY, & SOCIETY GROUP

*Research Assistant / 2019 -Present*

- Plan and document preliminary research group meetings
- Led Institutional Review Board project material production and submission
- Organized outreach for summer abroad learning opportunities

### GOVERNOR'S COMMISSION FOR THE FUTURE OF TRANSPORTATION

*Subject Matter Expert/ 2018*

- Planning and data assistance for a group of interdisciplinary professionals crafting policy recommendations
- Acted as a representative of the Commonwealth of Massachusetts Department of Transportation

### NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM 08-123

*Panel Member/ 2018-Present*

- Administrative panel member of a Transportation Research Board sponsored project
- Responsible for selecting project contracting group and providing project guidance

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## TEACHING EXPERIENCE

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### KEENE STATE COLLEGE

*Undergraduate Teaching Assistant/ 2012*

- Reviewed and revised assignments written by course instructor
- Remained available for personal or group tutoring

### MUNICIPAL GIS COORDINATION

*Workshop Leader/ 2015-2019*

- Worked with transportation professionals inexperienced in GIS, helping develop the skills necessary to use tools
- Maintained a series of Youtube videos that give users insight to workflows, and produced training documentation

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## SELECT PRESENTATIONS

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- MA Highway Association Annual Meeting
- MA Municipal Association Annual Meeting
- AASHTO's GIS for Transportation Conference
- URISA (New England)
- MassDOT's Moving Together Conference
- Esri User Conference
- MassDOT's Innovation Conference
- Northeast Arc User Conferences Meetings
- MA Regional Planning Agency Workshop Series (10 Installments)

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## PROFESSIONAL EXPERIENCE

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### MASSACHUSETTS DEPARTMENT OF TRANSPORTATION

*GIS Municipal Coordinator / 2015 - 2019*

- Led annual outreach and update efforts of the Road Inventory File
- Identified workflows to better serve local and regional governments
- Engaged with municipalities to confirm the accuracy of their data
- Updated road attribute data using Linear Referencing tools
- Coordinated attribute updates using Esri Road Characteristic Editors
- Developed training materials, primarily short videos and user guides
- Travelled to regional meetings to present new tools and opportunities
- Produced and assess accuracy of data which allocates federal funding
- Redeveloped the annual highway project equity analysis
- Road Inventory & data analysis team lead
- Member of the Drone Program Implementation data subgroup
- Member of the Bus Network Redesign technical working group

*GIS Analyst/Transportation Planner / 2014-2019*

- Provided data management and analysis expertise
- Developed custom maps, data sets, reports and graphics
- Provided GIS/data technical assistance to internal & external projects
- Generated mapping applications using ArcGIS Online and Server
- Lead of the GIS Services Analysis group

### UPPER VALLEY LAKE SUNAPEE REGIONAL PLANNING COMMISSION

*GIS Technician/Assistant Regional Planner / 2013 - 2014*

- Used ArcGIS software to help develop the Regional Plan
- Explored data relating to mixed-use zoning, natural resource inventories, and road quality connectivity
- Provided towns with technical assistance
- Maintained a high standard of data production quality and clarity
- Built and ran models to best identify potential trail locations

### MONADNOCK CONSERVANCY

*GIS Technician & Assistant Regional Planner/ 2012 - 2013*

- Generated and analyzed data in ArcGIS to better manage natural resources and open space
- Participated in conservation field work activities

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## REFERENCES

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DR. CAROL ATKINSON-PALOMBO  
*University of Connecticut - Geography, Env. Studies*  
carol.atkinson-palombo@uconn.edu

DR. CHRISTOPHER CUSACK  
*Keene State College - Geography*  
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DR. NORMAN GARRICK  
*University of Connecticut - Civil Engineering*  
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DR. CHRISTOPHER BREHME  
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KEVIN LOPES  
*MassDOT- GIS Services*  
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IAN THISTLE  
*MBTA - Office of Performance Mgmt & Innovation*  
ithistle@MBTA.com

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## SKILLS

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### TECHNICAL

- ArcGIS Suite
- Adobe Suite (limited)
- Microsoft Office Suite
- HTML/CSS
- QGIS
- Python (limited)

### SOFT

- Anticipatory Thinking
- Interdisciplinary
- Collaboration
- Communication
- Problem-Solving
- Adaptability

### OTHER

- Cartography
- MagicaVoxel
- Finalcut Pro
- Creative writing
- Avid bicyclist
- Science fiction aficionado

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## RESEARCH INTERESTS

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- Sustainable Development
- Urban Planning & Geography
- Geospatial Technologies
- Local Governments
- Social Equity
- Transportation