

TIMOTHY J. PRESTBY *curriculum vitae*

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Resources: [Portfolio](#) | [Twitter](#)
Last updated: November 14th 2019

Research Interests: Cartography, visual storytelling, user experience design

EDUCATION

2020 **Bachelor of Science: Honors in Cartography and GIS**
The University of Wisconsin-Madison

GRANTS

2019 **Prestby TJ.** Understanding Neighborhood Isolation through Big-Data Human Mobility Analytics. *Hilldale Undergraduate Grant.*

PUBLICATIONS

1. **Prestby TJ.**, App J, Kang Y, and Gao S. 2019: (forthcoming). Understanding Neighborhood Isolation through Spatial Interaction Network Analysis using Location Big Data. *Environment and Planning A: Economy and Space*

PRESENTATIONS

1. **Prestby TJ.** (presenter), Gao S, Liang Y, Kang Y, and Li B. 2019. Linking Traffic Volume to Economic Development Index Using Big Data and Gravity Models. *The 114th Annual Meeting of the American Association of Geographers*. Washington, DC: April 4.
2. Hart D (co-presenter), Roth RE. (co-presenter), and **Prestby TJ.** (co-presenter). 2020: (accepted). Designing Coastal Web Atlases: Best Practices and Future Directions. *Social Coast Forum 2020*. Charleston, South Carolina: February 6.
3. **Prestby TJ.**, App J, Kang Y, and Gao S. 2020. Visualizing Neighborhood Isolation by Spatial Interaction Network Analysis. *The 115th Annual Meeting of the American Association of Geographers*. Denver, Colorado: April 6-10

AWARDS and HONORS

2019 **Barbara Bartz Petchenik Award:** Received first place for my merit in cartographic design principles, thought, and outcome.

- 2019 **WLIA Map and Poster Competition:** Received first place student thematic map and keynote's choice awards
- 2019 **Jerome Kohn Award:** Awarded for my passion and excellence in geography with an emphasis in cartography
- 2019 **Phi Beta Kappa:** Selected for my outstanding academic achievement at UW-Madison and my record of having met high standards of personal conduct and academic integrity.
- 2017-2019 **Community Environmental Scholar:** Awarded for my passion for the environment, service to others, and leadership.
- 2016-2019 **UW-Madison Dean's List:** Received for maintaining high GPA
- 2015 **American Legion Boys State:** Selected to attend Wisconsin Boys State for my character, leadership, cooperation, scholarship, and participation in extracurricular activities.

WORK EXPERIENCE

- 2018— **UW-Madison GeoSpatial Data Science Lab:** Student Researcher
- Entrusted to work on high-level research projects with graduate students on 3 geospatial research projects
 - Solved geographic problems using python programming by developing more than 15 scripts
 - Proofread 10 geospatial papers for academic journals submission
- 2018— **UW Cartography Lab:** Web Designer
- Formulated and conducted an online survey
 - Collected and processed data of web applications by performing statistical analysis of 190 applications in excel
 - Formatted the production, research, and people pages of the UW Cartography Website using responsive web design standards
 - Launched over 20 education pages showcasing student works
- 2017-2018 **Slow Food-UW:** Snacks with Scientists Intern
- Shared healthy snacks with over 50 elementary students
 - Demonstrated science experiments with two coworkers
 - Lectured about food and science for 30 minute sessions
- 2016-2017 **Micentro Madison:** After-School Mentor
- Tutored high school freshman in math and English
 - Provided students with healthy cooking lessons

PROFESSIONAL MEMBERSHIPS

- 2019 – Association of American Geographers (AAG)
- 2019 – Cartography Specialty Group of the Association of American Geographers (AAG-CSG)
- 2019 – North American Cartographic Information Society (NACIS)

SKILLS

Adobe Illustrator



Expert

Adobe Photoshop



Advanced

Microsoft Suite



Expert

HTML



Advanced

CSS



Advanced

JavaScript



Expert

Python



Advanced

ArcGIS



Expert

QGIS



Expert

Leaflet



Advanced

Bootstrap



Advanced

D3



Advanced

Working Independently



Expert

Verbal communication



Advanced

Writing



Expert

Teamwork



Advanced

Organization



Advanced

Time Management



Expert

Spanish



Advanced

Teaching



Good

Professionalism



Expert