

TIMOTHY J. PRESTBY *resume*

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Resources: [Portfolio](#) | [Twitter](#)
Last updated: December 3rd, 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). 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. *American Association of Geographers Annual Meeting*. 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.** (presenter), App J, Kang Y, and Gao S. 2020. Visualizing Neighborhood Isolation by Spatial Interaction Network Analysis. *American Association of Geographers Annual Meeting*. 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

Cartography/Graphic Design: Adobe Illustrator, Photoshop, Indesign, Mapbox Studio

Web Development: HTML, CSS, Javascript, Bootstrap jQuery, Leaflet, D3, GIT

Data Analysis/GIS: QGIS, ArcGIS, Python, Pandas, R, Excel

Language: Intermediate Spanish

Other: Writing, Teamwork, Teaching, Time Management, Teamwork, Professionalism