TIMOTHY J. PRESTBY *curriculum vitae*

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Resources: Portfolio | Twitter
Last updated: November 22nd 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. *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 Betta 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