

# TIMOTHY J. PRESTBY *curriculum vitae*

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Suamico, WI 54313

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**Research Interests:** Cartography, geographic visualization, user experience design, web mapping, user-centered design, usability engineering, and visual storytelling.

## EDUCATION

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

## GRANTS

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

## 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 me 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
  - Synthesized results of data analysis using ArcMap & qGIS by producing 30 maps, graphs, and or interactive visualizations
  - Proofread 10 scientific papers for academic journals submission
- 2018— **UW Cartography Lab: Web Designer**
- Formulated and conduct an online survey of over forty participants to contribute to a NSF Career Grant task
  - Collected and process 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 twenty education pages showcasing student works by programming in 'HTML', 'Javascript', and 'CSS'
  - Orchestrated meetings between 3 stakeholders of the UW Cartography Website to ensure users needs were met
- 2016-2018 **Twin Elm Gardens: Gardener**
- Seeded and grew 8 varieties of microgreens
  - Coordinated packaging of orders to 12 restaurants and stores
  - Taught new workers their duties and responsibilities
- 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*

Adobe InDesign



*Intermediate*

Microsoft Word



*Expert*

Microsoft Excel



*Advanced*

Microsoft PowerPoint



*Expert*

HTML



*Advanced*

CSS



*Advanced*

JavaScript



*Advanced*

Python



*Advanced*

ArcGIS



*Expert*

QGIS



*Advanced*

Leaflet



*Advanced*

Bootstrap



*Advanced*

D3



*Advanced*

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Working Independently



*Expert*

Verbal communication



*Advanced*

Writing



*Expert*

Teamwork



*Advanced*

Organization



*Advanced*

Time Management



*Expert*

Spanish



*Advanced*

Teaching



*Good*

Professionalism



*Expert*