TIMOTHY J. PRESTBY *curriculum vitae*

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Suamico, WI 54313   Last updated: October 1st 2019

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 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 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 sessionsz

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