



## EDUCATION

### University of Wisconsin-Madison (UW-Madison)

(Madison, WI; 2025 Expected)

- **Ph.D.** Candidate in [Geography \(Cartography/GIS\)](#); doctoral minor in [Computer Science](#); GPA: 3.7/4.0
- Graduate Member in [Spatial Computing and Data Mining \(SCDM\) Lab](#), [UW Cartography Lab \(CartLab\)](#)
- Teaching: Cartography (incl. 3× lecturer), Interactive Cartography, Graphic Design, Geocomputing, GIS Application
- Student Cartographer in [CartLab](#) (client project, website update); Project Assistant in [GIS Professional Programs](#)

### University of Georgia (UGA)

(Athens, GA, USA; 2017)

- **M.S.** in [Geography \(GIS\)](#); Graduate Member in [Urban Geospatial Analytics Lab](#), [Community Mapping Lab](#); GPA: 3.7/4.0
- Research Assistant in App Dev Group, [IT Division](#), [Carl Vinson Institute of Government](#); Teaching: Transportation GIS

### Sun Yat-sen University (SYSU)

(Guangzhou, China; 2015)

- **B.S.** in [GIScience](#); Excellent Graduate; 3× Excellent Scholarship; GPA: 3.8/4.0
- Undergraduate Research Assistant in Center of Integrated Geographic Information Analysis (CIGNA), Center for Historical Geography, Big Data Communication Lab

## SKILLS

- **Cartography:** ArcGIS (Pro, Online, Dashboards, StoryMaps) | Mapbox | Leaflet | D3 | Kepler.gl
- **Design:** Illustrator | Photoshop | LEGO Studio | Blender | After Effect | Flash | CorelDraw
- **GIS & RS:** ArcGIS (Pro, Server, Engine) | QGIS | TransCAD | GeoDa | Envi | ERDAS | GE Engine
- **Development:** JavaScript | HTML | CSS | ASP.NET MVC | Android (Java) | C# | Visual Basic
- **Analysis:** Python | R | Java | Gephi | Postgres | SQL Server | MongoDB | AWS | SPSS | MATLAB

## MAP DESIGN (thumbnail images on next page; \*publication in progress)

- 1st Place in Thematic Map; 1st Place in Black & White Map; 2nd Place in Reference Map; 2nd Place in Mapping Poster; Best Student Map (sole), Wisconsin Land Information Association ([WLIA](#)) Map Contest (2025)
- \*Map to be featured on cover page of [Cartographic Perspectives](#), Volume 105 (2025)
- Winner (sole) in Maps Group, [Mapping Masterminds](#) Competition, Iowa State University GIS Day (2024)
- \*2× maps selected for publication, [Esri Map Book](#), Volume 40 (2024)
- 2× maps selected for [Map Expo](#) Exhibit, Highlands County (FL) Board of County Commissioners (2024)
- Winner (sole) in Research, [NACIS](#) Student Map and Poster Competition (2024)
- Highly Commended (2nd place), Collins Bartholomew Award for Thematic Mapping & Infographics; Commended (tied 4th place), Garsdale Design Award for 3D Mapping, [British Cartographic Society](#) (2024)
- Winner (sole) in College Student Project, [AGIC](#) Symposium Maps and Apps Contest (2024)
- 1st Place in Most Innovative Map; Best Cartography (sole); 1st Place in University and Postgraduate Student Maps; Special Interest Group Excellence Award (1 of 3 recipients); Map selected in [Map Art Wall](#); 2× maps featured in [Plenary Session](#) by Esri President Jack Dangermond, [Esri UC](#) (2024)
- Winner (sole) in Student Artistic Group, [GIS Colorado](#) Mapping Contest (2024)
- Map selected for publication, [Atlas of Design](#), Volume VII (2024)
- Honorable Mention (tied 2nd place); another map admitted, UW-Madison 15th Annual [Digital Salon](#) (2024)
- 1st Place in Most Unique Map; 1st Place in Black & White Map; 2nd Place in Thematic Map; Best Student Map (sole); Keynotes Choice of Static Map (sole); President's Choice (sole); People's Choice (sole), [WLIA](#) Map Contest (2024)
- Map selected for publication, [Esri Map Book](#), Volume 39 (2024)
- Winner in Cartographic Design (tied), [NACIS](#) Student Map and Poster Competition (2023)
- Most Innovative Map (sole); Cartography Special Interest Group Excellence Award (1 of 3 recipients); Map featured in [Plenary Session](#) by Esri President Jack Dangermond, [Esri UC](#) (2023)
- Winner (sole), Arthur Robinson Static Print Map Award in 50th [CaGIS](#) Map Design Competition (2023)
- 3rd Place in Student Category, GIS Certification Institute ([GISCI](#)) Map Contest (2023)
- Map on exhibition, International Cartographic Exhibition ([ICE](#)) on International Cartographic Conference (2023)
- Honorable Mention (2nd place), UW-Madison 14th Annual [Digital Salon](#) (2023)
- Map admitted, UW-Madison 14th Annual [Digital Salon](#) (2023) and 12th Annual [Digital Salon](#) (2021)
- Map ranked top 2% out of 600+ submissions in map gallery, [Esri UC](#) (2020)

## DIGITAL MAP / GIS DEVELOPMENT

- [Web GIS] The United States of Rising Hazards (2025); Honorable Mention, [CaGIS](#) Map Design Competition (2025)
- [Web/Mobile GIS] Madison Area and Wisconsin COVID-19 Pandemic Dashboard (over 80K visits) (2020)  
Best Student Map, [WLIA](#) Map Contest (2021); Honorable Mention, [CaGIS](#) Competition (2021), on [news](#) 3 times (2022)
- [Web GIS] Small Island Developing States Dashboard (Mapbox team project during [UNDP](#) internship) (2021)
- [Web GIS] U.S. Historical Hurricanes Geovisualization (Leaflet framework with jQuery, D3, turf libraries) (2019)
- [Web GIS] GNAHRGIS-Ecology Project (for [Georgia Department of Natural Resources](#)) (2017)  
Achieved advanced spatial query (ArcGIS Server API) using ASP.NET MVC, with SQL Server database
- [Mobile GIS] SYSU Campus Navigation (Android Application using ArcGIS SDK) (2014)  
1st Prize in Web/Mobile Group, [Esri](#) Chinese College Student GIS Development Contest (on campus news) (2014)

## RESEARCH (\*collaboration)

- Multimodal Social Media Data Mining and Visualizations For Hurricane ([AAG 2023](#); [UCGIS Symposium](#)) (2023)
- Investigating Human Mobility During Pandemic: An Integrated Social Media Approach ([AAG 2021](#)) (2021)
- \*Emerging geo-data sources to reveal human mobility dynamics during COVID-19 pandemic ([Springer](#)) (2021)
- Framing Twitter Trajectory Visualization: A Comparative Case Study ([IEEE VIS 2020 "MoVIS" Workshop](#)) (2020)
- Adaptive Cartography in Natural Disaster Management: A Domain Gap Analysis ([NACIS](#)) (2020)
- \*Can We Forecast Presidential Election Using Twitter? An Integrative Model Approach ([Annals of GIS](#)) (2020)
- \*Male or Female? Evaluating Gender Representativeness of Twitter – A Case Study of Athens ([UCGIS](#)) (2020)
- Flight or Driving? Mining Transportation Mode in Hurricane Harvey Evacuation ([AutoCarto 2020](#)) (2019)
- \*Madison and Vicinity: A Tangible Map Quilt ([Cartographic Perspectives](#)) (2018)
- Examining Spatiotemporal Pattern in Evacuation Behavior during Hurricanes ([AAG 2019](#), [Springer](#)) (2018)

## MISCELLANEOUS

- 9× [guest talk](#): [GIS Colorado](#), [UCCS](#), 2×[UW-Madison](#), [SHNU](#), [ECNU](#) (2024), [Glasgow](#) (2025), Emory, UT-Austin (planned)
- 3× maps included by [library](#): Library of Congress, American Geographical Society Library, Robinson Map Library
- 13× maps featured on [news](#) reports (10 times, reprints excluded), [TV](#) news (2 times), and online [articles](#) (4 times)
- 12× [travel awards](#) from NACIS, AAG SAM, UW-Madison and Geography Department (2019 – 2024)
- Cartography Intern, [Apple Maps](#) (summer 2025, expected)
- Volunteer in Dataset Cleaning, [Natural Earth](#) (2023 – Present)
- Scholarship for CaGIS & UCGIS Symposium, International Cartographic Association ([ICA](#)) (2024)
- Covid and News Cartographer, [MADNEWS](#) (largest local Chinese media platform; on WeChat) (2020 – 2023)
- 1st Place of Most Downloaded Paper Award; 3rd Place of Best Paper Award, [Annals of GIS](#) (3rd author) (2022)
- GIS Development Intern (building dashboard), United Nations Development Programme ([UNDP](#)), [Global Centre](#) (2021)
- GIS & Visualization Intern (67 maps), Institute for Local Self-Reliance ([ILSR](#)), [Community Network Initiatives](#) (2021)
- Co-organizer (Chair of Logistic Committee), first campus-wide [UGA GIS Day](#) (2016)

## MINI PORTFOLIO (view more on [CartoGuophy.com](#))

