



🎓 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
- Member in [Spatial Computing and Data Mining \(SCDM\) Lab](#), [UW Cartography Lab \(CartLab\)](#)
- Teaching: Cartography, Interactive Cartography, Graphic Design, Geocomputing, GIS Applications, GIScience
- Project Assistant in [GIS Professional Programs](#) (curriculum revision), [CartLab](#) (website update, client project)

University of Georgia (UGA)

(Athens, GA, USA; 2017)

- M.S. in [Geography \(GIS\)](#); 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 Gov.](#); Teaching: Transportation GIS

Sun Yat-Sen University (SYSU)

(Guangzhou, China; 2015)

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

⚙️ SKILL

- **Cartography:** ArcGIS (Pro, Online, Dashboards, StoryMaps) | Mapbox | Leaflet | D3 | Kepler.gl
- **Design:** Illustrator | Photoshop | LEGO Studio | Blender | After Effect | Flash | CorelDraw | AutoCAD
- **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 | PostgreSQL | SQL Server | MongoDB | AWS | SPSS | MATLAB

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

- *Map to be featured on cover page of [Cartographic Perspectives, Volume 105](#) (2024)
- 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 2024 [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); Map selected in [Map Art Wall](#), [Esri UC](#) (2024)
- Cartography Special Interest Group Excellence Award (1 of 3 recipients), [Esri User Conference](#) (2024)
- 1st Place in University and Postgraduate Student Maps, [Esri User Conference](#) (2024)
- 2 maps featured in [Plenary Session](#) by Esri President Jack Dangermond, Esri User Conference (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 2023 Student Map and Poster Competition](#) (2023)
- Most Innovative Map (sole); Cartography Special Interest Group Excellence Award (1 of 3 recipients), [Esri UC](#) (2023)
- Map featured in [Plenary Session](#) by Esri President Jack Dangermond, Esri User Conference (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](#) of 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, [Esri User Conference Map Gallery](#) (2020)

DIGITAL MAP / GIS DEVELOPMENT

- [Web/Mobile GIS] Madison Area and Wisconsin COVID-19 Pandemic Dashboard (over 80K views)(2020)
Best Student Map (sole), [WLIA Map Contest](#) (2021); Honorable Mention, [CaGIS Map Competition](#) (2021)
Dashboard Endorsed by [UW Data Science](#), [WLIA](#), [Esri Covid Map Gallery](#); on [local news](#) multiple times (2022)
- [Web GIS] Small Island Developing States Dashboard (MapBox team project during intern at UNDP)(2021)
- [Web GIS] [U.S. Historical Hurricanes Geovisualization](#) (Leaflet framework with jQuery, D3, turf libraries)(2019)
- [Web GIS] [GNAHRGIS-Ecology Project](#) (Georgia Department of Natural Resources)(2016 – 2017)
Achieved advanced spatial query (ArcGIS Server API) in ASP.NET MVC, with SQL Server, jQuery, Dojo
- [Mobile GIS] SYSU Campus Navigation (Android App using ArcGIS SDK; in [Wandoujia App Store](#))(2014)
1st Prize in Web/Mobile Group, [Esri Chinese College Student GIS Development Contest](#) ([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

- Scholarship for CaGIS & UCGIS Symposium, International Cartographic Association (2024)
- A total of 12 travel awards from NACIS, AAG SAM, UW-Madison and Geography Department (2019 – 2024)
- Various maps featured on news (7 times, not including reprint), TV videos (2 times), and online articles (4 times)
- Guest Speaker (3 times) to GIS Colorado, UCCS GES Geovis, UW-Madison GISPP (2024)
- Volunteer in Dataset Cleaning, [Natural Earth](#) (2023 – Present)
- 1st Place of Most Downloaded Paper Award; 3rd Place of Best Paper Award, [Annals of GIS](#) (3rd author)(2022)
- GIS Development Intern, [United Nations Development Programme \(UNDP\)](#), [Global Centre](#) (2021)
- GIS and Data Visualization Intern, [Institute for Local Self-Reliance](#), [Community Network Initiatives](#) (2021)
- Covid and News Cartographer, [MADNEWS](#) (largest local Chinese media platform; on WeChat)(2020 – Present)
- Co-organizer (chair of logistic committee), First UGA Campus-wide GIS Day ([Facebook](#))(2016)

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

