



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 | Blender | LEGO Studio | 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)

- 2nd Place / Highly Commended, Collins Bartholomew Award for Thematic Mapping & Infographics, 4th Place (tie) / Commended, Garsdale Design Award for 3D Mapping, [British Cartographic Society](#) (2024)
- 1st Place / Winner of Student Project (College) in [AGIC Symposium Maps and Apps Contest](#) (2024)
- 1st Place in Most Innovative Map; Best Cartography; Map Included in in [Map Art Wall](#), [Esri UC](#) (2024)
- Cartography Special Interest Group Excellence Award, [Esri UC](#) (2024)
- 1st Place in Student Maps (University and Postgraduate Students), [Esri UC](#) (2024)
- 2 Maps Featured in [Plenary Session](#) by Esri President Jack Dangermond in Esri User Conference (2024)
- 1st Place / Winner, Student Artistic Section, [GISCO Mapping Contest](#) (2024)
- 1st Place in Most Unique Map; 1st Place in Black and White Map; 2nd Place / Runner-Up in Thematic Map; Best Student Map; Keynotes Choice (Static); President's Choice; People's Choice, [WLIA Map Contest](#) (2024)
- Map Selected for Publication, [Esri Map Book, Volume 39](#) (2024)
- 1st Place / Winner in Cartographic Design (tie), [NACIS 2023 Student Map and Poster Competition](#) (2023)
- 1st Place / Most Innovative Map; Cartography Special Interest Group Excellence Award, [Esri UC](#) (2023)
- Map Featured in [Plenary Session](#) by Esri President Jack Dangermond in Esri User Conference (2023)
- 1st Place / Winner, 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)
- 2nd Place / Honorable Mention, [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)

DITIGAL MAP / GIS DEVELOPMENT

- **[Web/Mobile GIS]** Madison Area and Wisconsin COVID-19 Pandemic Dashboard (over 80K views) (2020)
1st Place / Best Student Map, [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)
- 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)

