Atlas (Chenxiao) Guo

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🎓 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)

⟨/⟩ DITIGAL 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 2025; 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 (Annuals 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, UW-Madison×2, SHNU, ECNU (2024), Glasgow, Emory, UT-Austin (2025)
- 3× maps collected in **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)