Chenxiao "Atlas" Guo

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🎓 EDUCATION

University of Wisconsin-Madison (UW-Madison)   *(Madison, WI; 2024 Expected)*
- Pursuing Ph.D. in Geography (Cartography/GIS); doctorial minor in Computer Science; GPA: 3.7/4.0
- Graduate Student Member in Spatial Computing and Data Mining (SCDM) Lab, UW Cartography Lab (CartLab)
- Teaching: Cartography, Interactive Cart. & Geovisualization, Geocomputing, GIS Applications, GIScience
- Project Assistant in GIS Professional Programs (cartography curriculum revision), CartLab (website update)

University of Georgia (UGA)   *(Athens, GA, USA; 2017)*
- M.S. in Geography (GIS); Graduate Student Member in 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 for Historical Geography, Big Data Communication Lab, Center of Integrated Geographic Information Analysis (CIGNA)

⚙ SKILL

- **Cartography:** ArcGIS (Pro, Online, Dashboards, StoryMaps) | MapBox | Leaflet | D3 | Kepler.gl
- **Design:** Illustrator | Photoshop | Blender | Flash | CorelDraw | After Effect | 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)

- 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 Map); 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 (tied), NACIS 2023 Student Map and Poster Competition (2023)
- 1st Place / Most Innovative Map; Cartography Special Interest Group Excellence Award, Esri UC (2023)
- Map Selected for Image Inclusion, Jack Dangermond's Plenary Session 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 functions (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 Disaster Management (AAG 2023) (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 Hurricane Season (AAG 2019, Springer) (2018)

⚛ MISCELLANEOUS

- 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