Atlas (Chenxiao) Guo

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(Update on 10/19/2025; view full Curriculum Vitae)

🎓 EDUCATION

University of Wisconsin-Madison (UW-Madison)   *(Madison, WI; Ongoing)*
- **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 Assistant: Cartography (including **3×** lecturer), Interactive Cartography & Geovisualization, Graphic Design, Geocomputing, GIS Application, GIScience; Project Assistant: GIS Professional Programs (curriculum revision)

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
- Teaching Assistant: Transportation Modeling and GIS

Sun Yat-sen University (SYSU)   *(Guangzhou, China; 2015)*
- **B.S.** in **GIScience** (Remote Sensing & GIS Engineering); 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

💼 EXPERIENCE

- Student Cartographer, UW Cartography Lab (**UWCL**) (multiple client projects, website update) (2023-Present)
- Cartography Intern, **Apple Maps** (color refinement experiments, advancing new feature and internal resource) (2025)
- GIS Development Intern, United Nations Development Programme (**UNDP**) (building SIDS Geospatial Platform) (2021)
- GIS & Visualization Intern, Institute for Local Self-Reliance (**ILSR**), Community Broadband Network (67 maps) (2021)
- App Development Research Assistant, Carl Vinson Institute of Government (**CVIOG**), University of Georgia (2016-2017)

⚙️ SKILLS

- **Cartography:** ArcGIS (Pro, Online, Dashboards, StoryMaps) | Mapbox | Leaflet | D3 | Kepler.gl
- **Design:** Illustrator | Photoshop | InDesign | 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)

- **ICA** (International Cartographic Association): **2×** Maps on ICC International Cartographic Exhibition (ICE) (2023, 2025)
- **CaGIS** (Cartography and Geographic Information Society) Map Design Competition: **1×** Winner (sole) of Arthur Robinson Static Print Map Award, **2×** Honorable Mention of David Woodward Digital Map Award (2021, 2023, 2025)
- **NACIS** (North American Cartographic Information Society) Student Map and Poster / Dynamic Map Competition: **1×** Winner in Design (tied), **1×** Winner in Research (sole), **1×** Winner in Individual Dynamic Map (sole) (2023, 2024, 2025)
- **BCS** (British Cartographic Society) Annual Award: **1×** Winner (Ordnance Survey Student Award) (sole), **2×** Highly Commended (Avenza Award for Electronic Mapping; Collins Bartholomew Award for Thematic Mapping), **1×** Commended (Garsdale Design Award for 3D Mapping) (2024, 2025)
- **Esri UC** (User Conference): **2×** Maps featured in Mappy Hour (2024, 2025); **1×** Map featured in Map Art Wall (2024)
- **Esri UC Plenary Session**: **4×** Maps featured by President Jack Dangermond (2023, 2024, 2025)
- **Esri UC Map Gallery**: **2×** Most Innovative Map (sole/first place), **1×** Best Cartography (sole), **1×** Best University and Postgraduate Student Map, **2×** Cartography Special Interest Group Excellence Award (1 of 3 recipients), **3×** Maps in finalists (Map with a Message, Innovative, Interactive) (2023, 2024, 2025)
- **WLIA** (Wisconsin Land Information Association) Map Contest: **4×** First Place (Thematic Map; 2× Black and White Map; Most Unique Map), **3×** Second Place (Reference Map; Mapping Poster; Thematic Map), **2×** Best Student Map (sole), **1×** Keynotes Choice of Static Map (sole); **1×** President's Choice (sole); **1×** People's Choice (sole) (2024, 2025)
- **Map Included in Publication**: **1×** Atlas of Design (Vol. VII), **3×** Esri Map Book (Vol. 39; 2× Vol. 40), **1×** Cartographic Perspectives (cover page of Vol. 105), **1×** Atlas at a Conference: Flow (Guerrilla Cartography) (2024, 2025)
- **UW-Madison Digital Salon**: **1×** Best in Show (2025), **2×** Honorable Mention (2023, 2024), **8×** Maps admitted (2021-2025)
- **IIB** (Information Is Beautiful) Award: **4×** Maps on Longlist (Places, Spaces & Environment; Unusual) (2025)

- **Other Competition**: Winner (sole) in Maps Group, Mapping Masterminds Competition, ISU GIS Day (2024); Winner (sole) in College Student Project, AGIC Symposium Maps and Apps Contest (2024); Winner (sole) in Student Artistic Group, GIS Colorado Mapping Contest (2024); 3rd Place in Student Group, GIS Certification Institute (GISCI) Map Contest (2023); 1st Prize in Web/Mobile Group, Esri Chinese College Student GIS Development Contest (2014)

</> DITIGAL MAP / GIS DEVELOPMENT

- [Web GIS] The United States of Rising Hazards (geovisualization using ArcGIS JavaScript API) (2025)
- [Web/Mobile GIS] Madison Area and Wisconsin COVID-19 Pandemic Dashboard (over 80K visits, **3×** on news) (2020)
- [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)

📊 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

- **16×** **guest talk**: GIS Colorado, Colorado (Colorado Springs) ×2, UW-Madison×2, SHNU (China), ECNU (China) (2024), Glasgow (UK), Emory, UT-Austin, Macau (China), Messiah, Wisconsin LEGO User Group, +3 scheduled (2025)
- **3×** maps collected in **library**: Library of Congress, American Geographical Society Library, Robinson Map Library
- **16×** maps featured on **news** reports (×11, reprints excluded), **TV** news (×2), and online **articles** (×6)
- **9×** maps/collections on **public display** in local libraries, bookstore, museum in Wisconsin and Florida (2021–Present)
- **12×** **travel awards** from NACIS, AAG SAM, UW-Madison and Geography Department (2019–2024)
- Co-Founder & Cartographer for **Shanghai Dérive** (2024-Present); Volunteer, **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)

✤ MINI PORTFOLIO (click thumbnails to view; more on CartoGuophy.com)