



# Atlas (Chenxiao) Guo

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🌐 [CartoGuophy.com](https://CartoGuophy.com)

(Update on 10/1/2025; view full [Curriculum Vitae](#))



## 🎓 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 | 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; \*publication in progress)

- **ICC** (International Cartographic Conference): 2× Maps on International Cartographic Exhibition (ICE) (2023, 2025)
- **CaGIS** (Cartography and Geographic Information Society) Map Design Competition: 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 Competition: Winner in Design (tied), Winner in Research (sole) (2023, 2024)
- **BCS** (British Cartographic Society) 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: 1st Place in Most Innovative Map, Best Cartography (sole), Best University and Postgraduate Student Map, Cartography Special Interest Group Excellence Award (1 of 3 recipients), 3× Maps in finalist (Map with a Message, Innovative, Interactive) (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), Keynotes Choice of Static Map (sole); President's Choice (sole); People's Choice (sole) (2024, 2025)
- **Map Included in Publication:** Atlas of Design (Vol. VII), 3× Esri Map Book (Vol. 39; 2× Vol. 40), Cartographic Perspectives (cover page of Vol. 105) (2024, 2025)
- **UW-Madison Digital Salon:** 1× Best in Show (2025), 2× Honorable Mention (2023, 2024), 8× Map 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, Iowa State University 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 Category, GIS Certification Institute (GISCI) Map Contest (2023)
  - 1st Prize in Web/Mobile Group, Esri Chinese College Student GIS Development Contest (2014)

## DIGITAL 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 ([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

- Cartography Intern, [Apple Maps](#) (color refinement experiments + internal resource improvement)(2025)
- GIS Development Intern, United Nations Development Programme ([UNDP](#)), [Global Centre](#) (building dashboard)(2021)
- GIS & Visualization Intern, Institute for Local Self-Reliance ([ILSR](#)), [Community Network Initiatives](#) (67 maps)(2021)
- 12× **guest talk**: [GIS Colorado](#), [Colorado](#) (Colorado Springs), [UW-Madison](#)×2, [SHNU](#) (China), [ECNU](#) (China) (2024), [Glasgow](#) (UK), [Emory](#), [UT-Austin](#), [Macau](#) (China), [Messiah](#), [Wisconsin LEGO User Group](#) (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)
- Volunteer in Dataset Cleaning, [Natural Earth](#) (2023 – Present); Cartographer for Shanghai Dérive (2024 – 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](#))

