Atlas (Chenxiao) Guo

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🎓 EDUCATION

University of Wisconsin-Madison (UW-Madison) *(Madison, WI; Ongoing)*
- 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 Experience: Intro Cartography (8 times, including 3 lectureships, Interactive Cartography & Geovisualization (1 time), Geocomputing (1 time), GIS Applications (2 times), Intro GIScience (4 times)
- Project Assistant in GIS Professional Programs (cartography curriculum revision), CartLab (website update)
- Research Direction: Social Media Data Mining, Cartographic Visualization, Natural Disaster Management

University of Georgia (UGA) *(Athens, GA, USA; 2017)*
- M.S. in Geography (GIS); **GPA: 3.7/4.0**
- Graduate Student Member in Urban Data Science Lab, Community Mapping Lab
- Research Assistant in App Dev Group, IT Division, Carl Vinson Institute of Government
- Teaching Experience: Transportation Modeling and GIS (1 time)
- Research Direction: Location-based Social Media, Sentiment Analysis, Urban Spatiality, Electoral Geography

Sun Yat-Sen University (SYSU) *(Guangzhou, China; 2015)*
- B.S. in Geographic Information Science; **GPA: 3.8/4.0** (Excellent Graduate; 3 times of Excellent Scholarship)
- Undergraduate Research Assistant in Center for Historical Geography, Big Data Communication Lab, Center of Integrated Geographic Information Analysis (CIGNA)
- Research Direction: Public Opinion Geovisualization, Urban Ecology and Regional Planning, Historical GIS

🗺 STATIC MAP DESIGN   (thumbnails on the last page)

- 1st Place / Winner, Student Artistic Section, GISCO Mapping Contest (2024)
- Map Selected for Publication, Atlas of Design, Volume VII (2024)
- 2nd Place (Honorable Mention; tie), UW-Madison 15th Annual Digital Salon (2024)
- 1st Place in Most Unique Map; Best Student Map; President Choice; People Choice, WLIA Map Contest (2024)
- 2nd Place in Thematic Map; Keynotes Choice (Static), WLIA Map Contest (2024)
- 1st Place in Black and White Map, 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)
- 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 Award for Best Printed Map, 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 15th (2024), 14th (2023), 12th (2021) Annual Digital Salon
- Map Ranked Top 2% out of 600+ submissions, Esri User Conference Map Gallery (2020)

💻 GIS DEVELOPMENT   (thumbnails on the last page)

- [Web+Mobile] Madison Area and Wisconsin COVID-19 Pandemic Dashboard (over 80K views) (2020 – 2023)
  1st Place / Best Student Map in Interactive Map Category, WLIA Map Contest (2021)
  Honorable Mention, David Woodward Award for Best Digital Map, 48th CaGIS Map Design Competition (2021)
  Over 80K total views (Web/Mobile); Endorsed by UW Data Science, WLIA, Esri Covid Map Gallery (2021)
  Reported and reprinted by multiple news on 10/10 (Channel 3000), 10/27 (FOX47), 11/9 (Badger Herald) (2020)
- [Web] Small Island Developing States Geospatial Dashboard (Mapbox team project during UN intern) (2021)
- [Web] U.S. Historical Hurricanes Geovisualization (Leaflet framework with jQuery, D3, turf libraries) (2019)
- [Web] 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
- [Desktop] Automatic Typhoon Recognition & Integrated 2D/3D Visualization (ArcGIS Engine, C#.NET) (2015)
- [Mobile] 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)
- [Desktop] Cellular-Automata Urban Sprawl Simulation System with Suitability Evaluation in Guangzhou (2013)

⟨⟩ AWARD (other than maps)

- Scholarship for CaGIS & UCGIS Symposium, International Cartographic Association (2024)
- Trewartha-Odebolt Conference Travel Award, UW-Madison Geography Department (2024, 2022, 2021, 2019)
- NACIS 2023 Conference Travel Grant (2023, 2021)
- 1st Place of 2022 Most Downloaded Paper Award, Annals of GIS (3rd author) (2022)
- 3rd Place of 2022 Best Paper Award, Annals of GIS (3rd author) (2022)
- AAG Spatial Analysis and Modeling (SAM) Specialty Group Student Travel Awards (2021)
- Holtz Center for STS, Grant for Virtual Conference, UW-Madison (2020, 2020)
- Student Research Conference Travel Award, UW-Madison (2019)
- Editors' Pick, 2016 Southeastern Geographer Photo Contest (2017)
- Excellent Graduate Award, SYSU (2015); Excellent Student Scholarship, SYSU (2014, 2013, 2012)
- Logo Bid Winner, Center of Integrated Geographic Information Analysis (CIGNA), SYSU (2013)
- 3rd Prize in the 6th Geographical Cultural Presentation Preliminary Contest in Southern China (2012)
- 3rd Place of Hard Brush Chinese Calligraphy, "Yixian Cup" Lingnan Painting & Calligraphy Competition (2012)

📊 PUBLICATION (*in progress)

- C. Guo. (2024). Zibo Map of Culture and Tourism. Atlas of Design, Volume VII. NACIS.
- C. Guo. (2024). Revealing Hurricane Harvey: Through the Lens of Twitter-Based Trajectories. ESRI Map Book, Volume 39. Esri Press.
- *C. Guo, Q. Huang. Multimodal Social Media Data Learning and Visualization for Hurricanes, International Journal of Disaster Risk Reduction.
- *C. Guo, Q. Huang. Flight or Driving? Mining and Exploring Evacuation Behaviors During 2017 Hurricane Harvey. Cartography and Geographic Information Science.
- X. Li, H. Xu, X. Huang, C. Guo, Y. Kang, X. Ye. (2021). Emerging Geo-Data Sources to Reveal Human Mobility Dynamics During COVID-19 Pandemic: Opportunities and Challenges, Computational Urban Science, 1(1), 1-9. https://link.springer.com/article/10.1007/s43762-021-00022-x
- C. Guo, Q. Huang. (2021). Examining Spatiotemporal and Sentiment Patterns of Evacuation Behavior During 2017 Hurricane Harvey. In Empowering Human Dynamics Research with Social Media and Geospatial Data Analytics (pp. 139-165). Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-030-83010-6_8
- R. Liu, X. Yao, C. Guo, X. Wei. (2020). Can We Forecast Presidential Election Using Twitter Data? An Integrative Modelling Approach. Annals of GIS, 1-14. https://www.tandfonline.com/doi/full/10.1080/19475683.2020.1829704
- R. Roth, et al. (2020). Madison and Vicinity: A Tangible Map Quilt. Cartographic Perspectives. http://doi.org/10.14714/CP95.1615
- Q. Huang, C. Guo. (2017). Public Sentiment and Movement Patterns during Natural Hazards. AGU Fall Meeting. https://ui.adsabs.harvard.edu/abs/2017AGUFMIN31F..05H/abstract
- C. Guo. (2017). Associating Socioeconomic Characteristics with Sentiments: A Case Study of 2016 U.S Presidential Election. University of Georgia Theses and Dissertations. https://esploro.libs.uga.edu/esploro/outputs/9949334586002959
- C. Guo. (2015). Exploring Emotional Space in Guangzhou Based on Microblog Check-in Data. Sun Yat-Sen University Theses.
- C. Guo. (2014). Illustrated Article "Become A GISer with Good Mapping Skills". How to Be a GISer (E-Book, 1st edition).
- H. Cui, G. Chen, L. Yuan, C. Guo. (2013). Urban Cellular Automata Model and Suitability Evaluation: A Case of Guangzhou. Collection of SYSU Excellent Undergraduate Paper.

⚛ ASSOCIATION

- NACIS: North American Cartographic Information Society (2020, 2021, 2022, 2023, 2024)
- CaGIS: Cartography and Geographic Information Society (2020, 2022, 2023, 2024)
- IEEE GRSS: Geoscience and Remote Sensing Society (Reviewer) (2020, 2021, 2023, 2024)
- WLIA: Wisconsin Land Information Association (2024)
- WMS: Washington Map Society (2024); CMS: Chicago Map Society (2024)
- Earth Sciences, Science Publishing Group (Reviewer) (2020, 2021)
- AAG: American Association of Geographers (2017, 2019, 2020, 2021, 2022, 2023)
- SEDAAG: Southeast Division of American Association of Geographers (2016)

♣ CONFERENCE

- CaGIS + UCGIS Symposium 2024, Poster Presentation (Columbus, OH, Jun 2024)
- WLIA 2024 Annual Conference, Map Gallery (Green Bay, WI, Feb 2024)
- Big Ten Academic Alliance (BTAA) GIS Conference, Map Gallery (Virtual, Nov 2023)
- NACIS 2023 Annual Meeting, Map Gallery (Pittsburgh, PA, Oct 2023)
- ICC 2023, International Cartographic Exhibition (Cape Town, South Africa, Aug 2023)
- 2023 Esri User Conference, Map Gallery (San Diego, CA, July 2023)
- AAG 2023 Annual Meeting, Paper Presentation (Denver, CO, Apr 2023)
- UW-Madison Annual Research Bazaar, Panel Presentation (Madison, WI, Feb 2023)
- NACIS 2022 Annual Meeting, Map Gallery (Minneapolis, MN, Oct 2022)
- NACIS 2021 Annual Meeting, Map Gallery (Oklahoma City, OK, Oct 2021)
- AAG 2021 Annual Meeting, Paper Presentation (Virtual, Apr 2021)
- 23rd International Research Symposium on Cartography and GIScience (AutoCarto 2020), Paper Presentation (Virtual, Nov 2020)
- IEEE VIS 2020 Workshop on Information Visualization of Geospatial Networks, Flows and Movement (MoVIS), Paper Presentation (Virtual, Oct 2020)
- NACIS 2020 Annual Meeting, Paper Presentation and Map Gallery (Virtual, Oct 2020)
- 2020 Esri User Conference, Map Gallery (Virtual, July 2020)
- UCGIS Symposium 2020, Poster Gallery (Virtual, Jun 2020)
- AAG 2020 Annual Meeting, (Virtual, Apr 2020)
- AAG 2019 Annual Meeting, Paper Presentation (Washington, DC, Apr 2019)
- AAG 2017 Annual Meeting, Paper Presentation (Boston, MA, Apr 2017)
- Southeast Division of AAG (SEDAAG) 2016 Annual Meeting (Columbia, SC, Nov 2016)
- Georgia Informatics Symposium (Athens, GA, Oct 2016)
- Georgia Geospatial Conference (Athens, GA, Oct 2016)
- 2014 Annual Academic Meeting of the Geographical Society of China (GSC) (Chengdu, China, Oct 2014)
- International Conference on Geo-simulation and Crime Geography (Guangzhou, China, Jul 2014)

⚛ EXTRACURRICULAR

- Volunteer in Dataset Cleaning, Natural Earth (Nov 2023 – Present)
- News Cartographer, Covid Pandemic Cartographer (Jun 2020 – Present), MADNEWS, the largest Chinese media platform in Madison, WI (WeChat: Madison_news, Facebook Page)
- GIS Development Intern at United Nations Development Programme, Global Centre for Technology, Innovation and Sustainable Development (Sep 2021 – Dec 2021)
- GIS & Data Visualization Intern at Community Broadband Networks Initiative, Institute for Local Self-Reliance (Feb 2021 – May 2021)
- Logo Designer of UW-Madison Spatial Computing and Data Mining Lab (Mar 2020)
- Tin/Low Whistle Player, local Irish music sessions in Athens, GA and Madison, WI (2019, 2023 – Present)
- Guqin and Tin/Low Whistle Player, Ensemble of Asian Musical Instrument Community (AMIC), participating in 7 public performances in Madison and Milwaukee, WI (Sep 2017 – Apr 2019)
- Volunteer Editor, Facebook Group "Human & Physical Geography" (Feb 2016 – Aug 2017)
- Chair of Logistic Committee, first campus-wide UGA GIS Day (Facebook Page) (Jul 2016 – Nov 2016)
- Logo Designer of Center of Integrated Geographic Information Analysis (CIGNA), SYSU (2015)
- Assistant in Advertising / Academics / Mental Health, SYSU Class of 2015 (GIS Major) (Sep 2012 – Jun 2015)
- Student Librarian, Library of Geography and Planning School, SYSU (Oct 2013 – May 2015)
- **Communicating Volunteer and Assistant, "Blue Letter Project"** Left-Behind Childcare Organization (Website) (Oct 2012 – May 2015)
- Deputy Director (Sep 2012 – Jun 2013), Assistant (Sep 2011 – Sep 2012) in Advertising, Student Union of Geography and Planning School, SYSU
- Assistant in Advertising, Lingnan Association of Calligraphy and Painting, SYSU (Oct 2011 – Sep 2012)
- Invention Patent: Bottle Cap for Water Bottle (Google Patent) (2011)
- Utility Model Patent: Water Bottle Cap (Google Patent) (2011)
- Utility Model Patent: Elastic Pen-Cap Clip (Google Patent) (2010)

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