Chenxiao, Atlas, Guo

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EDUCATION

University of Wisconsin-Madison (UW-Madison)

(Madison, WI, USA; 2022 Expected)

- Ph.D. in Geography (Cartography/GIS); Minor in Computer Science; Current GPA: 3.7/4.0
- Graduate Student Member in UW Spatial Computing and Data Mining Lab, UW Cartography Lab
- Teaching Courses: Cartography (including lectureship), GIS, GIS Applications, Geocomputing, Intro GIScience
- Project Assistant in UW-Madison GIS Professional Programs (revision of curriculum in cartography)

University of Georgia (UGA)

(Athens, GA, USA; 2017)

- M.S. in Geography (GIS); Graduate Student Member in UGA Community Mapping Lab; GPA: 3.7/4.0
- Research Assistant in App Dev Group, IT Division, UGA Carl Vinson Institute of Government
- Teaching Course: Transportation Modeling and GIS

Sun Yat-Sen University (SYSU)

(Guangzhou, China; 2015)

(2016)

- B.S. in Geographic Information Systems; GPA: 3.8/4.0 (Excellent Graduate; Excellent Scholarship 2012 2014)
- Undergraduate Research Assistant in Center for Historical Geography, Big Data Communication Lab, Center of Integrated Geographic Information Analysis (CIGNA)

SKILLS

- Cartography: ArcGIS (Pro, Online, Dashboards, StoryMaps) | Mapbox | Leaflet | D3 | Blender | Kepler.gl
- Design: Illustrator | Photoshop | Flash | CorelDraw | Inkscape | AutoCAD | After Effect | Dreamweaver
- Geospatial: ArcGIS (Desktop, Pro, Server, Engine) | QGIS | TransCAD | GeoDa | Envi | Erdas | GE Engine
- Development: JavaScript | HTML | CSS | ASP.NET MVC | Android | Postgres | SQL Server | MongoDB | AWS
- Analysis: Python | Java | C# | SQL | R | MATLAB | SPSS | Gephi | Visual Basic | C++ | Pascal

M RECENT RESEARCH

• Investigating Human Mobility During Pandemic: An Integrated Social Media Approach (AAG 2021)	(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 2017 Hurricane Season (AAG 2019)	(2018)
• Associating Socioeconomics with Sentiments on 2016 U.S. Presidential Election in Georgia (AAG 2017)	(2017)

GIS DEVELOPMENT

- [Web/Mobile GIS] Madison Area and Wisconsin COVID-19 Pandemic Dashboard (~500 daily views) (2020) Included by UW Data Science, WLIA, Esri Covid-19 Map Gallery; Reported by local media platform for 3 times
- [Web GIS] U.S. Historical Hurricanes Geovisualization (2019)

 Built the query-able interactive map and charts (Leaflet framework and jQuery, D3, jQueryUI, turf libraries)
- [Web GIS] GNAHRGIS-Ecology Project (Georgia Department of Natural Resources) (2016 2017) Achieved advanced spatial query function (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)

 1st Prize in Web/Mobile Group, Esri Chinese College GIS Software Development Contest (News)

SEXTRA-CURRICULAR

• 2022 Most Downloaded 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)
• Honorable Mention of David Woodward Digital Map Award in 48th CaGIS Map Design Competition	(2021)
Best Student Map, Wisconsin Land Information Association (WLIA) Map Contest	(2021)
AAG Spatial Analysis and Modeling (SAM) Specialty Group Student Travel Award	(2021)
• Cartographer, MADNEWS (largest Chinese media platform in Madison, WI) (20)	20 – 2021)
• "Home Metro Map" Ranked Top 2% in 650+ submissions, Esri UC 2020 Map Gallery, Digital Salon	(2020)
• Tin Whistle Player, Ensemble of Asian Musical Instrument Community (AMIC) (YouTube)	17 – 2019)
• Volunteer Editor, Facebook Group "Human & Physical Geography" (Facebook) (20	16 - 2017)

Co-organizer (chair of logistic committee), First UGA Campus-wide GIS Day (Facebook)