

## 🎓 EDUCATION

**University of Wisconsin-Madison (UW-Madison)** (Madison, WI, USA; 2021 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](#)
- Project Assistant in [UW-Madison GIS Professional Program](#) (Graphic Design in Cartography)
- Teaching Courses: Cartography, GIS, GIS Applications, Geocomputing

**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)

- 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)

## 🏠 RECENT RESEARCH

- Framing Twitter Trajectory Visualization: A Comparison Between Hurricane Evacuation and [Coronavirus](#) Pandemic Lockdown ([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 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 (2020)  
50,000 total views; ~500 daily views; Included by [UW Data Science](#), [WLIA](#), [Esri Covid-19 Map Gallery](#); News report from local media on Oct 10 ([Channel3000](#)), Oct 27 ([Channel3000](#)), Nov 9 ([Badger Herald](#)).
- **[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 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 GIS Software Development Contest ([News](#))

## ⚙️ SKILLS

- **Geospatial:** ArcGIS (map, pro, online, dashboard, server, engine) | QGIS | TransCAD | GeoDa | Envi | Erdas
- **Design:** Illustrator | Photoshop | Flash | CorelDraw | Inkscape | AutoCAD | After Effect | Dreamweaver
- **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

## ⚙️ EXTRA-CURRICULAR

- Director of Technology, COVID-19 Cartographer, MADNEWS (largest Chinese media in Madison, WI) (2020)
- ["Home Metro Map"](#) Ranked Top 2% in 650+ submissions, Esri User Conference 2020 Map Gallery (2020)
- Tin Whistle Player, Ensemble of Asian Musical Instrument Community (AMIC) ([YouTube](#)) (2017 – 2019)
- Editor, Facebook Group "Human & Physical Geography" ([Facebook](#)) (2016 – 2017)
- Co-founder, UGA Traditional Chinese Clothing Club (2016 – 2017)
- Co-organizer (chair of logistic committee), First UGA Campus-wide GIS Day ([Facebook](#)) (2016)
- Volunteer and Assistant, "Blue Letter Project" Left-Behind Childcare Organization ([Website](#)) (2012 – 2015)
- Utility Model Patent: Water Bottle Cap ([Google Patent](#)), Elastic Pen-Cap Clip ([Google Patent](#)) (2010 – 2011)