Tiffany Cousins

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Google Scholar Profile

EDUCATION

Ph.D. Planning, Governance, and Globalization, Virginia Tech *expected May 2025*
Disaster Reduction and Risk Management Scholar

Master of Urban Planning, Texas A&M University *2016*
Graduate Certificates in Environmental Hazard Management and in Geographic Information Systems (GIS)

Bachelor of Science Geosciences; Geography University of Connecticut *2014*
Concentration: Geophysics; Geographic Information Systems (GIS)

EMPLOYMENT HISTORY

Adjunct Instructor, *Hofstra University*
02/2023 – currently
- This hands-on course introduces students to professional map use's foundations, concepts, and application techniques. This is valuable knowledge for careers as diverse as healthcare, public policy, environment & sustainability, human rights, journalism, criminology, marketing, computer science, politics, law, urban planning, history, engineering, geology, biology, and business. Students are introduced to mapping tools and methods, including Geographic Information Systems (GIS) data and software, spatial analysis, Global Positioning Systems (GPS), basic surveying, mobile phone maps, satellite/aerial/drone imagery, and critical map reading.

GIS and Research Analyst, *New York State Governor's Office of Storm Recovery*
08/2019 – 9/2023
- Provide project management support throughout the duration of research projects (data preparation, GIS Developer, learning and running new software – HAZUS/FAST, analyses)
- Geospatial Data Specialist - assist in data quality management and ad hoc data analysis to support program operations, Service Area mapping, and National Objection determination, ad-hoc mapping analyst for non-CDBG-DR grant applications, Supports the mapping of the Match programs
- Unmet Needs Analysis
- Flood Inundation Mapper – creating flood inundation layer for Hurricane Ida to support grant needs
- Presented research findings to federal and local stakeholders

Research and Strategic Analysis Intern, *Governor's Office of Storm Recovery*
06/2019 – 08/2019
- LMI re-evaluation: assisting RSA with the re-evaluation of Community Reconstruction and Infrastructure projects using ACS data
- LMI residential maps - assisting RSA with the residential mapping of Community Reconstruction and Infrastructure projects for those identified as benefiting Low-Moderate Income (LMI) households.
- FEMA Public Assistance PW evaluations: assisting with evaluating the ~300 FEMA PWs identified by the program without complete LMI documentation on file.

Graduate Teaching Assistant, *Virginia Tech*
Academic Years 2019-2020, 2020-2021
- Courses - Land Use and Environment: Planning and Policy (80-100 students); Law and the Environment (40-50 students)
- Grading, guest lecture, office hours when needed, attended classes to provide support to the professor when needed

Legal Billing Analyst, *Kaufman, Dolowich, and Voluck LLP*
04/2017 – 8/2018

Geospatial and Natural Hazards Specialist, *Blue Glacier Security & Intelligence, LLC*
04/2017 – currently
- Geospatial analysis for the company's enterprise security risk assessments
- Developed the company's first interactive maps – HTML, CSS, JavaScript, Mapbox
- Initiated the development of a location-based safety and security app

- GIS strategic planning

Staff Planner, *City of College Station*
06/2016 – 02/2017
- Assist and advise the public concerning any planning or development-related issues.
- Enforces and interprets development codes through development review proposals
- Produces written and oral presentations to the City's Boards and Commissions

Participatory Mapping Project Manager, *Texas A&M University*
09/2014 – 06/2016
Article: Resilience and Climate Change Cooperative Project
- Training high school students to use Collector for ArcGIS (in-class presentation and in the field)
- Developed and deployed maps through ArcGIS Online, Survey 123, Collector for ArcGIS for in-field data collection
- Data Collection Technical Support
- Other contributions: Neighborhood surveying - interviewed community on their awareness of climate change, designed route map to complete interviews using Network Analysis
- Designed and developed a data collection process for gathering rainfall data

Older experience:
Geographic Information Systems (GIS) Intern, *New York City Department of Environmental Protection*
Summer of 2014

Census & Geospatial Data Assistant, *MAGIC, and Connecticut State Data Center*
12/2013 – 05/2014

Geospatial Student Aid, *Assistant Professor in Geography Debarchana Ghosh, PhD*
Fall of 2013

Spatial Index Development Intern, *MAGIC and Connecticut State Data Center*
Fall of 2013

SKILLS
Programming: R, Python for GIS
GIS – ArcGIS, Web Mapping/ArcGIS Online, Survey 123, Collector for ArcGIS, Network Analysis, Model Builder, Editing, Spatial Analysis, Geo-referencing, Mapbox
Research
Data curation and analysis
Technical Documentation
Training/Teaching

PUBLICATIONS

Cowell, M., & Cousins, T. (2022). Equity and the Chief Resilience Officer in the era of 100 Resilient Cities: A qualitative comparative analysis of US resilience strategies. Cities, 131, 103946. https://doi.org/10.1016/j.cities.2022.103946

Meyer, M. A., Hendricks, M., Newman, G. D., Masterson, J. H., Cooper, J. T., Sansom, G., … Cousins, T. (2018). Participatory action research: tools for disaster resilience education. *International Journal of Disaster Resilience in the Built Environment*, *9*(4–5), 402–419. https://doi.org/10.1108/IJDRBE-02-2017-0015