

# John Taylor Shelton, Ph.D.

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## EDUCATION

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- 2015            Ph.D., Geography, Clark University  
2011            M.A., Geography, University of Kentucky  
2008            B.A., Geography and Political Science, University of Kentucky

## ACADEMIC POSITIONS

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- 2017 –            Assistant Professor, Department of Geosciences, Mississippi State University  
2016 – 2017    Visiting Scholar, Department of Geography, University of Kentucky  
2015 – 2016    Postdoctoral Fellow, Center for Urban Innovation, Georgia Institute of Technology

## PUBLICATIONS

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### (a) Journal Articles

- Forthcoming*    **Shelton, T.** and A. Poorthuis. The nature of neighborhoods: using big data to rethink the geographies of Atlanta's Neighborhood Planning Unit system. *Annals of the American Association of Geographers*.
- Shelton, T.** and T. Lodato. Actually existing smart citizens: expertise and (non)participation in the making of the smart city. *City*.
- 2018            **Shelton, T.** Mapping dispossession: eviction, foreclosure and the multiple geographies of housing instability in Lexington, Kentucky. *Geoforum* 97: 281-291.
- Shelton, T.** Rethinking the RECAP: mapping the relational geographies of concentrated poverty and affluence in Lexington, Kentucky. *Urban Geography* 39(7): 1070-1091.
- 2017            **Shelton, T.** Spatialities of data: mapping social media 'beyond the geotag'. *GeoJournal* 82(4): 721-734.
- Shelton, T.** The urban geographical imagination in the age of big data. *Big Data and Society* 4(1): 1-14.
- 2016            Thatcher, J., L. Bergmann, B. Ricker, R. Rose-Redwood, D. O'Sullivan, T.J. Barnes, L.R. Barnesmoore, L. Beltz Imaoka, R. Burns, J. Cinnamon, C.M. Dalton, C. Davis, S. Dunn, F. Harvey, J-K. Jung, E. Kersten, L. Knigge, N. Lally, W. Lin, D. Mahmoudi, M. Martin, W. Payne, A. Sheikh, **T. Shelton**, E. Sheppard, C.W. Strother, A. Tarr, M.W. Wilson and J.C. Young. Revisiting critical GIS. *Environment and Planning A* 48(5): 815-824.

- 2015 **Shelton, T.**, A. Poorthuis and M. Zook. Social media and the city: rethinking urban socio-spatial inequality using user-generated geographic information. *Landscape and Urban Planning* 142: 198-211.
- Shelton, T.**, M. Zook and A. Wiig. The ‘actually existing smart city’. *Cambridge Journal of Regions, Economy and Society* 8(1): 13-25.
- 2014 **Shelton, T.**, A. Poorthuis, M. Graham and M. Zook. Mapping the data shadows of Hurricane Sandy: uncovering the sociospatial dimensions of ‘big data’. *Geoforum* 52: 167-179.
- 2013 Graham, M. and **T. Shelton**. Geography and the future of big data, big data and the future of geography. *Dialogues in Human Geography* 3(3): 255-261.
- Crampton, J.W., M. Graham, A. Poorthuis, **T. Shelton**, M. Stephens, M.W. Wilson and M. Zook. Beyond the geotag: situating ‘big data’ and leveraging the potential of the geoweb. *Cartography and Geographic Information Science* 40(2): 130-139.
- 2012 **Shelton, T.**, M. Zook and M. Graham. The technology of religion: mapping religious cyberscapes. *The Professional Geographer* 64(4): 602-617.
- 2010 Zook, M., M. Graham, **T. Shelton** and S. Gorman. Volunteered geographic information and crowdsourcing disaster relief: a case study of the Haitian earthquake. *World Medical and Health Policy* 2(2): 7-33.

*(b) Chapters in Edited Volumes*

- Forthcoming* Zook, M., **T. Shelton** and A. Poorthuis. Big Data and the City. In *Handbook of Urban Geography*, eds. T. Schwanen and R. van Kempen. Edward Elgar.
- 2018 **Shelton, T.** Civics. In *Digital Geographies*, eds. J. Ash, R. Kitchin and A. Leszczynski. Sage. pp. 250-259.
- Shelton, T.** and T. Lodato. From smart cities to smart citizens? Searching for the ‘actually existing smart citizen’ in Atlanta, Georgia. In *Creating Smart Cities*, eds. C. Coletta, L. Evans, L. Heaphy and R. Kitchin. Routledge. pp. 144-154.
- 2017 **Shelton, T.** and J. Clark. Uneven Development and Expertise in the ‘Smart City’. In *Cities as Engines of Innovation and Inclusive Growth*, eds. F. Montanari, F. Sgaragli and D. Teloni. Fondazione Giacomo Brodolini. pp. 105-109.
- Zook, M. and **T. Shelton**. Internet and Global Capitalism. In *The International Encyclopedia of Geography: People, the Earth, Environment and Technology*, ed. D. Richardson. Wiley-AAG. pp. 3784-3794.
- Shelton, T.** Re-politicizing Data. In *Our Digital Rights to the City*, eds. J. Shaw and M. Graham. Meatspace Press. pp. 24-27.
- 2016 Poorthuis, A., M. Zook, **T. Shelton**, M. Graham and M. Stephens. Using Geotagged Digital Social Data in Geographic Research. In *Key Methods in Geography (3<sup>rd</sup> Edition)*, eds. N. Clifford, M. Cope, T. Gillespie and S. French. Sage. pp. 248-269.

- 2015 **Shelton, T.** and M. Zook. Information Society, Geography of. In *International Encyclopedia of the Social and Behavioral Sciences (2<sup>nd</sup> Edition)*, volume 12, ed. J. Wright. Elsevier. pp. 90-94.
- 2013 Graham, M., **T. Shelton** and M. Zook. Mapping Zombies. In *Zombies in the Academy*, eds. A. Whelan, R. Walker and C. Moore. Intellect Press. pp. 147-156.
- 2012 Zook, M. and **T. Shelton**. The Integration of Virtual Flows into Material Movements within the Global Economy. In *Cities, Regions and Flows*, eds. P.V. Hall and M. Hesse. Routledge. pp. 42-57.

(c) Peer-Reviewed Conference Proceedings

- 2011 Zook, M., M. Graham and **T. Shelton**. Analyzing Global Cyberscapes: Mapping Geo-coded Internet Information. In *Proceedings of the 2011 iConference*. pp. 522-530.

(d) Cartographic Publications

- 2011 Zook, M., M. Graham and **T. Shelton**. The Presidential Placemark Poll. In *Atlas of the 2008 Elections*, eds. S.D. Brunn, G.R. Webster, R.L. Morrill, F.M. Shelley, J.C. Archer and S.J. Lavin. Rowman and Littlefield. pp. 43-44.
- 2010 Graham, M., **T. Shelton** and M. Zook. U.S. Abortion Providers and Alternatives. In *Mapping America*, ed. F. Kessler. Black Dog Publishing. pp. 140-141.

(e) Book Reviews

- Forthcoming* **Shelton, T.** Meet the New Lines, Same as the Old Lines (Review of New Lines: Critical GIS and the Trouble of the Map by Matthew W. Wilson). *Transactions in GIS*.
- 2015 **Shelton, T.** Review of The Data Revolution: Big Data, Open Data, Data Infrastructures and Their Consequences by Rob Kitchin. *Progress in Physical Geography* 39(3): 412-413.
- 2013 **Shelton, T.** Review of Urban Assemblages: How Actor-Network Theory Changes Urban Studies by Ignacio Fariás and Thomas Bender, eds. *Urban Geography* 34(4): 575-576.
- 2012 **Shelton, T.** Review of Code/Space: Software and Everyday Life by Rob Kitchin and Martin Dodge. *Annals of the Association of American Geographers* 102(1): 247-249.

(f) Policy Reports

- 2017 **Shelton, T.** Locked Out: Foreclosure, Eviction and Housing Instability in Lexington, 2005-2016. Lexington Fair Housing Council. October.
- Shelton, T.** Mapping a Segregated City: The Growth of Racially/Ethnically Concentrated Poverty and Affluence in Lexington, 1970-2014. Lexington Fair Housing Council. January.

## **PRESENTATIONS**

[\* indicates presenting author]

### *(a) Invited Presentations*

- 2018      **Shelton, T.** and M. Zook. Placing big data: political and societal dimensions of big data. Summer School in Massive Spatial Data, Laboratoire d'Excellence Dynamiques Territoriales et Spatiales, University of Paris. Florence, Italy. September 28.
- Shelton, T.** Data-driven governance, post-truth politics? Departmental Colloquium Series, Department of Humanities, Arts and Social Sciences, Singapore University of Technology and Design. Singapore. July 24.
- Shelton, T.** Data-driven governance, post-truth politics? Social Justice and the Smart City Seminar Series, Calgary Institute for the Humanities, University of Calgary. Calgary, Canada. March 6.
- Shelton, T.** Mapping the relational geographies of urban inequality: racially concentrated poverty and affluence in Lexington, Kentucky. Departmental Colloquium Series, Department of Anthropology and Middle Eastern Cultures, Mississippi State University. Starkville, MS. January 26.
- 2017      **Shelton, T.** Mapping the Relational Geographies of Lexington's Housing Landscape. Departmental Colloquium Series, Department of Geography and New Mappings Collaboratory, University of Kentucky. Lexington, KY. March 3.
- 2016      **Shelton, T.** and T. Lodato. 'Actually existing smart citizens': expertise and (non)participation in the making of the smart city. Creating the Smart City Workshop, Maynooth University. Maynooth, Ireland. September 5.

### *(b) Conference Presentations*

- 2018      **Shelton, T.** Mapping dispossession: eviction, foreclosure and the multiple geographies of housing instability in Lexington, Kentucky. 114<sup>th</sup> Annual Meeting of the American Association of Geographers. New Orleans, LA. April 13.
- Shelton, T.** Mapping dispossession: eviction, foreclosure and the multiple geographies of housing instability in Lexington, Kentucky. 48<sup>th</sup> Annual Meeting of the Urban Affairs Association. Toronto, Canada. April 5.
- 2017      **Shelton, T.** Rethinking the RECAP: visualizing the relational geographies of concentrated poverty and affluence in Lexington, Kentucky. 72<sup>nd</sup> Annual Meeting of the Southeastern Division of the American Association of Geographers. Starkville, MS. November 20.
- Poorthuis, A.\* and **T. Shelton.** A comparative study of urban neighborhoods using geosocial media data. 113<sup>th</sup> Annual Meeting of the American Association of Geographers. Boston, MA. April 7.
- Shelton, T.** and A. Poorthuis. The nature of neighborhoods: using big data to rethink the geographies of Atlanta's neighborhood planning unit system. 113<sup>th</sup> Annual Meeting of the American Association of Geographers. Boston, MA. April 5.

- 2016 **Shelton, T.** and A. Poorthuis. The nature of neighborhoods: stability and change in Atlanta's neighborhood geographies. 71<sup>st</sup> Annual Meeting of the Southeastern Division of the American Association of Geographers. Columbia, SC. November 21.
- Shelton, T.** and T. Lodato. 'Actually existing smart citizens': expertise and (non)participation in the making of the smart city. Regional Studies Association North America Conference. Atlanta, GA. June 16.
- Shelton, T.** and A. Poorthuis. Re-mapping Atlanta: Exploring neighborhoods and urban spatial mobilities using big data. 4<sup>th</sup> Annual Atlanta Studies Symposium. Atlanta, GA. May 11.
- Shelton, T.,** A. Poorthuis and M. Zook. Social media and the city: rethinking segregation and mobility using big data. Convening on Urban Data Science, University of Chicago. Chicago, IL. April 28.
- Shelton, T.** Places, Properties, Parcels: The Potentials of Mapping Property Relationally. 112<sup>th</sup> Annual Meeting of the American Association of Geographers. San Francisco, CA. April 1.
- 2015 **Shelton, T.** Data-driven governance in the 'actually existing smart city'. Symposium on The Crowd, the Cloud and Urban Governance, University of Illinois–Chicago. Chicago, IL. April 20.
- 2014 **Shelton, T.** Beyond 'big' and 'smart': the relational and territorial politics of data-driven urban governance. 110<sup>th</sup> Annual Meeting of the Association of American Geographers. Tampa, FL. April 10.
- 2013 Crampton, J.W., M. Graham, A. Poorthuis\*, **T. Shelton**, M. Stephens, M.W. Wilson\* and M. Zook. Beyond the geotag: situating 'big data' and leveraging the potential of the geoweb. Annual Meeting of the Royal Geographical Society and the Institute of British Geographers. London, England. August 29.
- Shelton, T.,** A. Poorthuis, M. Graham and M. Zook. 2013. From dangling cranes to flooded tunnels: Hurricane Sandy and the Geographies of Twitter. 109<sup>th</sup> Annual Meeting of the Association of American Geographers. Los Angeles, CA. April 12.
- 2012 **Shelton, T.,** M. Zook and M. Graham. User-generated political geographies: placing politics on the geoweb. 67<sup>th</sup> Annual Meeting of the Southeastern Division of the Association of American Geographers. Asheville, NC. November 19.
- Graham, M., **T. Shelton** and M. Zook\*. Mapping Zombies. 67<sup>th</sup> Annual Meeting of the Southeastern Division of the Association of American Geographers. Asheville, NC. November 19.
- Shelton, T.,** M. Zook and M. Graham. From online politics to user-generated political geographies. Workshop on Big and User-Generated Geographic Data, University of Kentucky. Lexington, KY. June 15.

Graham, M., **T. Shelton** and M. Zook\*. 2012. Mapping Zombies. Workshop on Big and User-Generated Geographic Data, University of Kentucky. Lexington, KY. June 15.

**Shelton, T.**, M. Zook and M. Graham. The Technology of Religion: Mapping Religious Cyberscapes. 108<sup>th</sup> Annual Meeting of the Association of American Geographers. New York, NY. February 24.

2011 **Shelton, T.** Science parks, sustainability and the politics of local economic development: a case study of the Coldstream Research Campus. 107<sup>th</sup> Annual Meeting of the Association of American Geographers. Seattle, WA. April 13.

Zook, M.\*, M. Graham, and **T. Shelton**. Analyzing Global Cyberscapes: Mapping Geo-coded Internet Information. 2011 iConference. Seattle, WA. February 11.

2010 **Shelton, T.** Sustainable development as social regulation: university science parks and the politics of economic development. 17<sup>th</sup> Annual mini-Conference on Critical Geography. Milwaukee, WI. November 6.

**Shelton, T.** Telemediated Labor and the Seesaw Theory of Uneven Development. 106<sup>th</sup> Annual Meeting of the Association of American Geographers. Washington, D.C. April 15.

2009 **Shelton, T.** (Re) placing resources: capitalism, space and electronic waste. 64<sup>th</sup> Annual Meeting of the Southeastern Division of the Association of American Geographers. Knoxville, TN. November 23.

**Shelton, T.** (Re) placing resources: capitalism and transnational flows of electronic waste. 16<sup>th</sup> Annual mini-Conference on Critical Geography. Athens, GA. October 24.

(c) Panel Participation

2018 **Shelton, T.** Symposium on New Horizons in Human Dynamics Research: Research Agenda in Smart Cities and Urban Computing. 114<sup>th</sup> Annual Meeting of the American Association of Geographers. New Orleans, LA. April 10.

**Shelton, T.** Author Meets Critics: *New Lines: Critical GIS and the Trouble of the Map* by Matthew W. Wilson. 114<sup>th</sup> Annual Meeting of the American Association of Geographers. New Orleans, LA. April 10.

2017 **Shelton, T.** Information Geographies: Data, democracy and improving the world with critical VGI. 113<sup>th</sup> Annual Meeting of the American Association of Geographers. Boston, MA. April 5.

2011 **Shelton, T.** Technology, Space and Society: Critical Perspectives. 18<sup>th</sup> Annual Conference on Critical Geography. Worcester, MA. November 6.

(d) Sessions Organized, Facilitated, Chaired, etc.

- 2018 **Shelton, T.** and D. Mahmoudi. Mapping Urban In/justice (I, II, III & IV). 114<sup>th</sup> Annual Meeting of the American Association of Geographers. New Orleans, LA. April 13.
- 2017 **Shelton, T.** and I. Spangler. Digital Geographies and Critical Mapping. 72<sup>nd</sup> Annual Meeting of the Southeastern Division of the American Association of Geographers. Starkville, MS. November 20.
- Leszczynski, A. and **T. Shelton**. Cities and Data Beyond Smart Urbanism. 113<sup>th</sup> Annual Meeting of the American Association of Geographers. Boston, MA. April 8.
- Shelton, T.** and A. Poorthuis. More than lines on a map? Rethinking neighborhoods and regions. 113<sup>th</sup> Annual Meeting of the American Association of Geographers. Boston, MA. April 5.
- 2016 **Shelton, T.** and A. Wiig. Rethinking the smart city. Regional Studies Association North American Conference. Atlanta, GA. June 16.
- Shelton, T.** Engaging Data. 112<sup>th</sup> Annual Meeting of the American Association of Geographers. San Francisco, CA. April 1.
- 2014 **Shelton, T.** with 5 others. What Tools? What Theory?. Revisiting Critical GIS Symposium. Friday Harbor, WA. October 19.
- Wiig, A. and **T. Shelton**. Thinking the ‘smart city’: power, politics and networked urbanism (I & II). 110<sup>th</sup> Annual Meeting of the Association of American Geographers. Tampa, FL. April 10.
- 2013 **Shelton, T.** Cyberscapes of Information: Building a Digital Sixth Sense with User-generated Geocoded Data. Insiders/Outsiders: The 2013 MIT-Knight Civic Media Conference. Cambridge, MA. June 24.
- Shelton, T.** and M. Graham. More data, more problems? Geography and the future of ‘big data’. 109<sup>th</sup> Annual Meeting of the Association of American Geographers. Los Angeles, CA. April 12.
- 2012 **Shelton, T.** Geographies of the Geoweb. 67<sup>th</sup> Annual Meeting of the Southeastern Division of the Association of American Geographers. Asheville, NC. November 19.
- 2011 **Shelton, T.** and A. Fickey. Critical Perspectives on Local and Regional Economic Development. 107<sup>th</sup> Annual Meeting of the Association of American Geographers. Seattle, WA. April 13.

**FUNDING, HONORS AND AWARDS**

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- 2018 Invited Participant, Summer Institute in Urban Studies, Manchester Urban Institute and National University of Singapore
- 2016 – 2017 Research Grant (\$5,400), Lexington Fair Housing Council

- 2016 Campus Writing Award (for Floatingsheep Collective), University of Kentucky Department of Writing, Rhetoric and Digital Studies
- 2014 Pruser Dissertation Enhancement Award (\$574), Clark University Graduate School of Geography  
Marion I. Wright Travel Grant (\$300), Clark University Graduate School of Geography
- 2013 Marion I. Wright Travel Grant (\$300), Clark University Graduate School of Geography
- 2012 – 2013 Mary E. and Irene L. Piper Fellowship in Urban Geography, Clark University Graduate School of Geography
- 2012 Conference Travel Funding (\$300), Clark University Graduate School of Geography
- 2011 Conference Travel Support Grant (\$400), University of Kentucky Graduate School
- 2009 Honorable Order of Kentucky Colonels  
Ellen Churchill Semple Research Award, University of Kentucky Department of Geography  
Elected Phi Beta Kappa
- 2008 Graduated Summa Cum Laude, University of Kentucky
- 2007 – 2008 Academic Excellence Scholarship (\$1,500), University of Kentucky

## **COURSES TAUGHT**

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### Mississippi State University

GR8313 Advanced Cultural Geography  
GR4990/6990 Digital Geographies  
GR4203/6203 Geography of North America  
GR4123/6123 Urban Geography  
GR2013 Cultural Geography

### Georgia Institute of Technology

PUBP4211 Urban Policy

### Clark University (as Teaching Assistant)

GEOG257 Internet Geography  
GEOG052 Global Change, Regional Challenges  
GEOG016 Introduction to Economic Geography

### University of Kentucky (as Teaching Assistant)

GEO255 Geography of the Global Economy  
GEO164 Wired Worlds: Global Information Geographies



## **STUDENT ADVISING AND MENTORING**

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### *Primary Advisor*

2018 – Mustafa Monk. M.S. Geoscience (Geography), Mississippi State University.

### *Committee Member*

2018 – Khalid Hossain. Ph.D. Earth and Atmospheric Sciences, Mississippi State University.

2018 – Mary-Stewart Wachter. M.S. Geoscience (Professional Meteorology/Climatology), Mississippi State University.

2018 – Mary Grace Chambers. M.S. Geoscience (Geospatial Sciences), Mississippi State University.

## **SERVICE ACTIVITIES**

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### *Mississippi State University*

Department of Geosciences  
Departmental Seminar Organizing Committee  
Human Geography Faculty Search Committee  
Strategic Planning Committee  
Distance Learning Oversight Committee  
Graduate Curriculum Task Force

### *Georgia Institute of Technology*

Local Organizing Committee, 2016 Regional Studies Association North America Conference

### *Clark University*

Clark University Geographical Society  
Graduate Admissions Committee  
Visiting Students Committee

### *University of Kentucky*

Geography Graduate Student Union  
GIS Faculty Search Committee  
External Relations Committee  
Library Acquisitions Committee  
  
President's Sustainability Advisory Committee  
  
Student Sustainability Council  
  
Student Government Association

## Extramural Service

Awards Committee, AAG Digital Geographies Specialty Group

Manuscript Peer Reviewer for:

ACM CHI (2015)  
*Annals of the American Association of Geographers* (2015, 2016: 2, 2017; 2018)  
*Antipode* (2016)  
*Applied Geography* (2014, 2016)  
*Big Data and Society* (2015: 2, 2016, 2017: 2, 2018)  
*Cartography and Geographic Information Science* (2016: 2)  
*Cities* (2017: 2, 2018)  
*City* (2018)  
*Economy and Society* (2016)  
*Environment and Planning B: Urban Analytics and City Science* (2017)  
*Environment and Planning C: Politics and Space* (2018)  
*Environment and Planning D: Society and Space* (2014, 2015, 2017: 2)  
*Geoforum* (2013, 2015: 2)  
*Geographical Analysis* (2016)  
*Geography Compass* (2017)  
Hawaii International Conference on System Sciences (2014)  
*Journal of Maps* (2016)  
*Journal of Planning Literature* (2018)  
*Journal of Urban Technology* (2014: 2)  
*Progress in Human Geography* (2016, 2017)  
*Science as Culture* (2016)  
*Territory, Politics, Governance* (2014, 2015)  
*The Professional Geographer* (2015, 2017, 2018)  
*Transactions in GIS* (2015)  
*Urban Geography* (2018)  
*Urban Research and Practice* (2016)  
*Urban Studies* (2016, 2017)

AP Human Geography Reader (2014, 2015, 2017, 2018)

## **PROFESSIONAL ASSOCIATIONS**

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- 2009 – American Association of Geographers (AAG)  
Digital Geographies Specialty Group  
Urban Geography Specialty Group
- 2017 – Urban Affairs Association (UAA)
- 2018 – Scholars Strategy Network (SSN)