

Tom Wilson

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HCDE, Sieg Hall, University of Washington, Seattle WA, 98195

SKILLS

Quantitative methods (quantitative data analysis, spatial data analysis, survey, A/B testing)

Qualitative user research (ethnography, interview, card-sorting)

Data Analysis (R, Tableau, ArcGIS), **Statistics** (R), **Spatial Statistics/Analysis** (ArcGIS, QGIS)

Design (Adobe Photoshop, Illustrator), **Web** (HTML, CSS, leaflet.js, mapbox.js), **Programming** (Python, MySQL)

Qualitative Coding (Dedoose), Visualization & Cartography (Tableau, ArcGIS, Mapbox, Gephi)

RESEARCH INTERESTS

social media information flows, volunteered geographic information, human computer interaction, computer-supported cooperative work, information (hyper)locality

EDUCATION

PhD Human Centered Design & Engineering

September 2016 — Present

University of Washington, Seattle WA

MS Geographic Information Science

June 2011 — June 2015

University of Leeds, Leeds UK

BS (Hons) Computing

September 1999 — June 2003

Sheffield Hallam University, Sheffield UK

RESEARCH EXPERIENCE

Research Assistant

January 2017 — Present

Big Data Hubs and Spokes

Collaborative Research: Institutionalizing the Data Sciences, a Sociotechnical Investigation of BDHubs

Department of Human Centered Design & Engineering (HCDE)

University of Washington, Seattle WA

Research Assistant

September 2016 — Present

Emerging Capacities of Mass Participation Lab

Snapping during Breaking News and Crisis Events: A Snapchat User Study

HCDE, University of Washington, Seattle WA

Research Assistant

September 2016 — Present

Information Sharing During Cascadia Rising

Qualitative Analysis of Information Sharing Observations During a Regional Disaster Exercise

HCDE, University of Washington, Seattle WA

Research Collaborator

May 2016 — September 2016

Misinformation Directed Research Group

Analyzing Rumor and Misinformation on Twitter during the November 2015 Paris Attacks

HCDE, University of Washington, Seattle WA

Research Collaborator

February 2015 — May 2016

Trail Users' Tweets Project

Analyzing the Sentiment of Trail Users' Tweets

School of Geography

University of Leeds, UK

AWARDS & HONORS

The AGI Early Career Professional Award (Finalist)

The Association of Geographic Information (AGI) Awards for Geospatial Excellence

November 2015

The AGI Early Student of the Year Award (Finalist)

The Association of Geographic Information (AGI) Awards for Geospatial Excellence

November 2015

Grebenik Award for The Best Population Essay

The University of Leeds

November 2012

PUBLICATIONS

Tom Wilson, Stephanie A. Stanek, Emma S. Spiro, Kate Starbird. 2017. Linguistic Limitations in Rumoring Research? Comparing French and English Tweets from the 2015 Paris Attacks. *Submitted to Proceedings of the 2017 ISCRAM Conference on Information Systems for Crisis Response and Management*

Tom Wilson, Andrew Evans, and Robin Lovelace. 2016. A path toward the use of trail users' tweets to assess effectiveness of the Environmental Stewardship Scheme. An Analysis of the Pennine Way National Trail. *Applied Spatial Analysis and Policy 2016 pp.1-29*
<http://dx.doi.org/10.1007/s12061-016-9201-7>

Tom Wilson and Robin Lovelace. 2015. Can the sentiment contained within trail users' tweets be used to assess the effectiveness of Environmental Stewardship Scheme agreements? An Analysis of the Pennine Way National Trail. *In Proceedings of the GIS Research UK (GISRUK) 2015 Conference, held April 14-17 2015, pp. 673-679*
<http://dx.doi.org/10.6084/m9.figshare.1491375>

WORKSHOPS

Tom Wilson. 2017. Conceptualizing, Creating, & Controlling Constructive and Controversial Comments: A CSCW Research-athon. *CSCW 2017 Workshop, Portland OR, February 26 2017*

Taryn Bipat & **Tom Wilson.** 2017. Live Stories: The Ethics of Researching Ephemeral Content During Emergent Events. *Ethical Encounters of HCI Workshop at CHI 2017, Boulder CO. May 6 2017.*

POSTERS & PRESENTATIONS

Tom Wilson, Stephanie A. Stanek, Emma S. Spiro, Kate Starbird. 2016. Linguistic Limitations in Rumoring Research? (Academic Poster)

Human Centered Design & Engineering Fall Research Showcase 2016

Tom Wilson. 2015. Exploring the sentiment of trail users' tweets (Presentation).

Presented at the GISRUK 2015 Conference, April 17 2015.

Tom Wilson. 2015. An exploratory analysis of trail users' tweets (Academic Poster).

Accepted to and presented at the GISRUK 2015 Conference, held April 14-17 2015.

PROFESSIONAL EXPERIENCE

American Conservation Experience

July 2012 — September 2016

Program Director

- Non-profit organization program development and management
- Development and production of interactive web maps and printed cartography to illustrate organization's accomplishments, promote new projects, and federal reporting
- Redevelopment and continual management of organization's website
- Public engagement and management of social media outlets
- Restructuring of the organization's spatial and non-spatial data through development of an organization-wide bespoke database (currently in progress).

American Conservation Experience

April 2007 — November 2008

Conservation Project Crew Leader

- Led and managed groups of international volunteers on 8-10 day conservation projects within the National Parks and National Forests of the south western United States.
- Developed and implemented a system to increase the accuracy and efficiency of project reporting through the use of handheld GPS devices and GIS software.

TEACHING EXPERIENCE

Native English Teacher

March 2009 — March 2012

Gunpo-Uiwang Office of Education

Role as a Native English Teacher assigned to a public school.

- Designed and developed effective and engaging learning materials to support the English education of students, in accordance with the National Curriculum of the Republic of Korea.
- Planned and prepared English lessons, and taught these lessons to approximately 400 students per week.
- Lead presenter of the English morning internet broadcast to all schools (30+) in the Gunpo region.

VOLUNTEER SERVICE

University of Washington | Global Maritime Forum (GMF) Facilitator | November 15-16 2016

- The 2016 GMF sought to understand the challenges and opportunities of current and emergent maritime capabilities the intersection of technology and policy.
- Facilitator of the Global Maritime Forum held at the University of Washington.

University of Washington | Design Use Build (DUB) Retreat Volunteer | October 2016

- DUB is a grassroots alliance of students, faculty, researchers, and industry partners interested in Human Computer Interaction.
- Assisted with the setup of the DUB Retreat.

Hello Museum | Volunteer Native English Curator | April 2010 - August 2010

- Hello Museum was the first children's art museum in Korea, providing exhibitions and educational opportunities specifically tailored to children.
- Provided interpretation and explanation of the art works in English.

American Conservation Experience | International Conservation Volunteer | January 2007 - April 2007

- American Conservation Experience is a non-profit conservation corps dedicated to the preservation of America's public lands and youth development through education, practical training opportunities, and volunteerism.
- Completed 480 hours of volunteer service over 3 months, subsequently offered a leadership position.

PROFESSIONAL SERVICE

Invited Reviewer | Applied Geography (Elsevier)

- 2016 - Present

Invited Reviewer | Information Systems for Crisis Response & Management (ISCRAM)

- 2017 - Present

RECENT RESEARCH ACTIVITIES

Social Media Information Flows

September 2016 — Present

Directed Research Group

This research project examines how social media is used during crisis events such as earthquakes, hurricanes, floods, and acts of terrorism. Expanding upon previous work tracking online rumors, this research group investigates how information moves through and across social media platforms during disaster events through tracking specific stories or pieces of information as they spread on Snapchat, Twitter, and Reddit.

Qualitative Analysis of Information Sharing

September 2016 — Present

Observations collected during a Major

Regional Disaster

Directed Research Group

This research group is conducting analyses of a large set of observations that were collected during the Cascadia Rising earthquake preparation exercise of June 2016. Researchers are involved in all aspects of the qualitative data analysis process. The findings of the research group will be used in future projects aimed at understanding information sharing during emergent events.

Tracking the Online Spread of Misinformation after Disaster Events

April 2016 — June 2016

Directed Research Group

This research group examined social media data to better understand how rumors spread during and immediately after crisis events.