

Curriculum Vitae: Jacob Thebault-Spieker

KnowledgeWorks II <http://jacob.thebault-spieker.com>
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Blacksburg, Virginia 24060

Research Interests

bias, social computing, crowd work, spatial computing, sharing economy, peer production

Education

2017

PhD in Computer Science – University of Minnesota
Dissertation: *Understanding Geographic Bias in Crowd Systems*
Co-Advisors: Loren Terveen, Brent Hecht (Northwestern University)
Committee: Dan Keefe, Kate Starbird (University of Washington)

2011

Bachelor of Arts, Computer Science – University of Minnesota – Morris
Bachelor of Arts, Spanish – University of Minnesota – Morris

Employment

Curr.

University of Wisconsin
Assistant Professor, Information School (beginning July 1, 2020)

2020

Virginia Tech
Postdoctoral Associate, Department of Computer Science (began Jan. 2018)

2014

IBM Research – Almaden
Research Intern (Mentors: Jeff Nichols, Jalal Mahmud)

2010

Carnegie Mellon
Summer REU Intern (Mentor: Mahadev Satyanarayanan)

Honors and Awards

2020

Special Recognition for Outstanding Reviews, CHI Papers

2019

Best Demo/Poster, HCOMP 2019

2018

Special Recognition for Outstanding Reviews, CHI Papers

2017

Special Recognition for Outstanding Reviews, CHI Papers and Notes

- 2016 Special Recognition for Outstanding Reviews, Ubicomp Papers and Notes
- 2015 Social Media and Business Analytics Collaborative (SOBACO) Travel Grant. Total: \$1500
- 2014 Social Media and Business Analytics Collaborative (SOBACO) Travel Grant. Total: \$1000
- 2009 Undergraduate Research Opportunity Program Grant. Total: \$1400

Publications

(Google Scholar Citations: 722, h-index: 8)

Refereed Papers in Journals

- [J4] Sukrit Venkatagiri, **Jacob Thebault-Spieker**, Rachel Kohler, John Purivance, Rifat Sabbir Mansur, and Kurt Luther 2019. GroundTruth: Augmenting Expert Image Geolocation with Crowdsourcing and Shared Representations. *Proc. ACM Hum.-Comput. Interact.* 3, CSCW.
- [J3] **Jacob Thebault-Spieker**, Daniel Kluver, Maximilian A. Klein, Aaron Halfaker, Brent Hecht, Loren Terveen, and Joseph A. Konstan 2017. Simulation Experiments on (the Absence of) Ratings Bias in Reputation Systems. *Proceedings of the ACM on Human-Computer Interaction* 1, CSCW: 101:1–101:25. <https://doi.org/10.1145/3134736>
- [J2] S. Andrew Sheppard, Julian Turner, **Jacob Thebault-Spieker**, Haiyi Zhu, and Loren Terveen 2017. Never Too Old, Cold or Dry to Watch the Sky: A Survival Analysis of Citizen Science Volunteerism. *Proc. ACM Hum.-Comput. Interact.* 1, CSCW: 94:1–94:21. <https://doi.org/10.1145/3134729>
- [J1] **Jacob Thebault-Spieker**, Loren Terveen, and Brent Hecht 2017. Toward a Geographic Understanding of the Sharing Economy: Systemic Biases in Uberx and Taskrabbit. *ACM Trans. Comput.-Hum. Interact.* 24, 3: 21:1–21:40. <https://doi.org/10.1145/3058499>

Refereed Papers in Conferences

- [C8] **Jacob Thebault-Spieker**, Aaron Halfaker, Loren G. Terveen, and Brent Hecht 2018. Distance and Attraction: Gravity Models for Geographic Content Production. In *Proceedings of the 2018 Chi Conference on Human Factors in Computing Systems* (CHI '18), 148:1–148:13. <https://doi.org/10.1145/3173574.3173722>
- [C7] **Jacob Thebault-Spieker**, Brent Hecht, and Loren Terveen 2018. Geographic Biases Are 'Born, Not Made': Exploring Contributors' Spatiotemporal Behavior in Openstreetmap. In *Proceedings of the 2018 Acm Conference on Supporting Groupwork* (GROUP '18), 71–82. <https://doi.org/10.1145/3148330.3148350>
- [C6] Hannah Miller, Daniel Kluver, **Jacob Thebault-Spieker**, Loren Terveen, and Brent Hecht 2017. Understanding Emoji Ambiguity in Context: The Role of Text in Emoji-Related

Miscommunication. In *Eleventh International Aaai Conference on Web and Social Media (ICWSM '17)*.

[C5]

Jacob Thebault-Spieker*, Ashley Colley*, Allen Yilun Lin*, Donald Degraen, Benjamin Fischman, Jonna Häkkinä, Kate Kuehl, Valentina Nisi, Nuno Jardim Nunes, Nina Wenig, Dirk Wenig, Brent Hecht**, and Johannes Schöning** 2017. The Geography of Pokémon Go: Beneficial and Problematic Effects on Places and Movement. In *Proceedings of the 2017 Chi Conference on Human Factors in Computing Systems (CHI '17)*, 1179–1192. <https://doi.org/10.1145/3025453.3025495> (* indicates co-first-author; ** - indicates co-Principal Investigators)

[C4]

Andrew Hall, Sarah McRoberts, **Jacob Thebault-Spieker**, Yilun Lin, Shilad Sen, Brent Hecht, and Loren Terveen 2017. Freedom Versus Standardization: Structured Data Generation in a Peer Production Community. In *Proceedings of the 2017 Chi Conference on Human Factors in Computing Systems (CHI '17)*, 6352–6362. <https://doi.org/10.1145/3025453.3025940>

[C3]

Hannah Miller, **Jacob Thebault-Spieker**, Shuo Chang, Johnson Isaac, Loren Terveen, and Brent Hecht 2016. "Blissfully Happy" or "Ready to Fight": Varying Interpretations in Emoji. In *Proceedings of the 10th International Conference on Web and Social Media (ICWSM '16)*.

[C2]

Jacob Thebault-Spieker, Loren G. Terveen, and Brent Hecht 2015. Avoiding the South Side and the Suburbs: The Geography of Mobile Crowdsourcing Markets. In *Proceedings of the 18th Acm Conference on Computer Supported Cooperative Work & Social Computing (CSCW '15)*, 265–275. <https://doi.org/10.1145/2675133.2675278>

[C1]

Aaron Halfaker, Oliver Keyes, Daniel Kluver, **Jacob Thebault-Spieker**, Tien Nguyen, Kenneth Shores, Anuradha Uduwage, and Morten Warncke-Wang 2015. User Session Identification Based on Strong Regularities in Inter-Activity Time. In *Proceedings of the 24th International Conference on World Wide Web (WWW '15)*, 410–418. <https://doi.org/10.1145/2736277.2741117>

Refereed Nonarchival Workshop Papers

[w4]

Sukrit Venkatagiri, **Jacob Thebault-Spieker**, Aliza Camacho, and Kurt Luther 2018. Localness and Urbanness in Geographic Crowd Work. In (CSCW '18 Companion).

[w3]

Jacob Thebault-Spieker, Brent Hecht, and Loren Terveen 2015. Digitally Reflecting Our Space: Crowdsourcing Space Usage Rules. In (Information Technology and City Life Workshop - Cscw '15).

[w2]

Jacob Thebault-Spieker 2013. CitizenSense: A Geographic Collective Intelligence Platform. In *Symposium on Urban Informatics Exploring Smarter Cities* (Symposium on Urban Informatics Exploring Smarter Cities).

[w1]

Jacob Thebault-Spieker 2010. Can Protocol and Application Layer Statistics Improve Client-Server Responsiveness? In *Midwest Instructional Computing Symposium (MICS '10)*.

Refereed Nonarchival Conference Papers (demos, posters, extended abstracts)

[p4]

Jacob Thebault-Spieker, Sukrit Venkatagiri, David Mitchell, Chris Hurt, and Kurt Luther 2019. PairWise: Mitigating Political Bias in Crowdsourced Content Moderation. In *Human Computation Conference 2019 Work-in-Progress/Demos* (HCOMP 2019). (**Best Demo/Poster Award**, out of 25)

[p3]

Sukrit Venkatagiri, **Jacob Thebault-Spieker**, Sarwat Kamzi, Efua Akonor, and Kurt Luther 2019. It's Quiztime: A Study of Online Verification Practices on Twitter. In *Human Computation Conference 2019 Work-in-Progress/Demos* (HCOMP 2019).

[p2]

Sukrit Venkatagiri, **Jacob Thebault-Spieker**, and Kurt Luther 2018. Verifying Truth from the Ground: Leveraging Human Strengths in the Image Geolocation Process. In *Human-Computer Interaction Consortium* (HCIC 2018).

[p1]

Jacob Thebault-Spieker, Anbang Xu, Jilin Chen, Jalal Mahmud, and Jeffrey Nichols 2016. Exploring Engagement in a 'Social Crowd' on Twitter. In *Proceedings of the 19th Acm Conference on Computer Supported Cooperative Work and Social Computing Companion* (CSCW '16 Companion), 417–420. <https://doi.org/10.1145/2818052.2869112>

Refereed Doctoral Consortia

[dc1]

Jacob Thebault-Spieker 2016. Quantifying, Understanding, and Mitigating Crowd Work Bias. In *Fourth Aaai Conference on Human Computation and Crowdsourcing* (HCOMP '16 Doctoral Consortium).

Other Research Activities

Research Camps

CSST: Summer Research Institute for the Science of Socio-Technical Systems
CSST 2019, New Brunswick, NJ, USA, June 18-22, 2019

Teaching

Graduate Teaching Assistant at University of Minnesota

CS5115: User Interface Design.
Fall 2017.

CS1902: Structure of Computer Programming II.
Fall 2011, Spring 2012.

Undergraduate Teaching Assistant at University of Minnesota - Morris

CS3401: Models of Computing Systems.
Fall 2010, Spring 2011.

Professional Service

Organizing Committees

2020

CSCW Publications Co-Chair

2019

CSCW Publications Co-Chair

Co-Editor of 'Negotiating Trust and Truth in Socio-Technical Systems' special issue of Transactions on Social Computing

Program Committees

2021

CHI AC - Interaction Beyond the Individual subcommittee

2018

CHI Late-Breaking Work

Emoji2018: 1st International Workshop on Emoji Understanding and Applications in Social Media

Reviewing

Journals

New Media & Society

ACM Transactions on Intelligent Systems and Technology (TIST)

ACM Transactions on Computer-Human Interaction (TOCHI)

ACM Transactions on Social Computing (TSC)

Interaction Design and Architecture (IxD&A)

Conference Proceedings

CSCW

CHI

GROUP

ICWSM

UbiComp

MobileHCI