Curriculum Vitae

Jacob Thebault-Spieker

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KnowledgeWorks II

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Research Areas

Human-Computer Interaction (HCI), Social Computing.

Areas of Focus: sharing economies, peer production, mobile crowdsourcing, citizen science.

Education

University of Minnesota (2011 - 2017):
PhD in Computer Science
University of Minnesota – Morris (2007 - 2011):
Bachelor of Arts, Computer Science
Bachelor of Arts, Spanish

Publications

Refereed Papers in Archival Publication Venues (Conferences and Journals)

- 1. 2018
 - Jacob Thebault-Spieker, Aaron Halfaker, Loren 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).
 - 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

- 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. *Proc. ACM Hum.-Comput. Interact.* 1, CSCW: 101:1–101:25. https://doi.org/10.1145/3134736
- 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

2. 2017

- Hannah Miller, Daniel Kluver, Jacob Thebault-Spieker, Loren Terveen, and Brent Hecht 2017. Understanding emoji ambiguity in context: The role of text in emojirelated miscommunication.
- 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
- Jacob Thebault-Spieker*, Ashley Colley*, Allen Yilun Lin*, Donald Degraen, Benjamin Fischman, Jonna Häkkilä, 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)
- 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

3. 2016

• 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).

4. 2015

- 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
- 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

Posters and Extended Abstracts

1. 2016

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

Workshop Papers

- 1. 2015
 - Jacob Thebault-Spieker, Brent Hecht, and Loren Terveen 2015. Digitally reflecting our space: Crowdsourcing space usage rules. In 19th acm conference on computer supported cooperative work and social computing (Information technology and city life workshop cscw '15).
- 2. 2013
 - **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).
- 3. 2010
 - Jacob Thebault-Spieker 2010. Can protocol and application layer statistics improve client-server responsiveness? In *Midwest instructional computing symposium* (MICS '10).

Refereed Doctoral Consortia

- 1. 2016
 - Jacob Thebault-Spieker 2016. Quantifying, understanding, and mitigating crowd work bias. In *Fourth aaai conference on human computation and crowdsourcing* (HCOMP '16 doctoral consortium).

Grants and Awards

Grants

SOBACO Travel Grant

Travel Grant from Social Media and Business Analytics Collaborative to attend CSCW. \$1500, 2015.

SOBACO Travel Grant

Travel Grant from Social Media and Business Analytics Collaborative to attend CSCW. \$1000. 2014.

• Undergraduate Research Opportunity Program grant

University of Minnesota, Morris. \$1400. 2009.

Research Internships and REUs

- **IBM Research Almaden** *Summer* 2014. Advisors: Jeff Nichols, Jalal Mahmud. Defined and implemented a research project in the space of grassroots engagement efforts on Twitter. Resulted in CSCW 2016 Poster.
- Carnegie Mellon REU Summer 2010. Advisor: Mahadev Satyanarayanan.

Researched the feasibility of prefetching in Internet Suspend/Resume. Demonstrated that the simple (boot) case does not provide performance improvements.

Teaching Experience

Teaching Assistantships

- University of Minnesota
 - Structure of Computer Programming II (Undergraduate): Fall 2011, Spring 2012.
- *University of Minnesota Morris*Models of Computing Systems (Undergraduate): Fall 2010, Spring 2011.

Professional Service

Reviewing

- 1. Conference Proceedings
- CSCW
- CHI
- Ubicomp
- MobileHCI
- 1. Journals
- ACM Transactions on Computer-Human Interaction (TOCHI)
- Interaction Design and Architecture (IxD&A)
- ACM Transactions on Social Computing (TSC)