Curriculum Vitae

Jacob Thebault-Spieker

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Research Areas

Human-Computer Interaction (HCI), Social Computing. **Areas of Focus**: crowd work practice, geographic bias, sharing economies, peer production, mobile crowdsourcing, citizen science. ## Education Univeristy 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) #### 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 36th Annual Acm 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. *Proceedings of the ACM on Human-Computer Interaction* 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

2017

- 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.

- **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

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).

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

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

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).

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).

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

Refereed Doctoral Consortia

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

Social Media and Business Analytics Collaborative (SOBACO) Travel Grant

- Travel Grant to attend CSCW. $1500. 2015.
- Travel Grant 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

Organizing Committees

- CSCW 2019 Publications Co-Chair
- Co-Editor of 'Negotiating Trust and Truth in Socio-Technical Systems' special issue of Transactions on Social Computing

Program Committees

- CHI 2018 Late-Breaking Work
- Emoji2018: 1st International Workshop on Emoji Understanding and Applications in Social Media

Reviewing

Conference Proceedings

- CSCW
- CHI (*recognized as an Excellent Reviewer in: 2017, 2018*)
- UbiComp (*recognized as an Excellent Reviewer in 2016*)
- MobileHCI
- ICWSM #### Journals
- ACM Transactions on Computer-Human Interaction (TOCHI)

- Interaction Design and Architecture (IxD&A)

- ACM Transactions on Social Computing (TSC)