

# Curriculum Vitae

## Jacob Thebault-Spieker

Department of Computer Science  
Virginia Tech  
KnowledgeWorks II  
2202 Kraft Drive  
Blacksburg, Virginia 24060

<http://jacob.thebault-spieker.com>  
[jthebaultspieker@vt.edu](mailto:jthebaultspieker@vt.edu)

## Research Areas

Human-Computer Interaction (HCI), Social Computing.

**Areas of Focus:** 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 Häkkinen, 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)*.

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

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

## 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)