

# Michael D. Ekstrand, Ph.D

Dept. of Computer Science  
Boise State University  
1910 University Drive  
Boise, ID 83725-2055

michaelekstrand@boisestate.edu  
<https://md.ekstrandom.net>  
+1 (208) 426-5761

## E D U C A T I O N

Ph.D (2014) Computer Science, University of Minnesota, Minneapolis, MN. Advisers: John T. Riedl and Joseph A. Konstan  
B.S. (2007) Computer Engineering (With Distinction), Iowa State University, Ames, IA.

## A P P O I N T M E N T S

2016–present Assistant Professor, Dept. of Computer Science, **Boise State University**  
Co-founder, **People and Information Research Team (PIReT)**  
2014–2016 Assistant Professor, Dept. of Computer Science, **Texas State University**  
2008–2014 Graduate Research Assistant, GroupLens Research, Dept. of Computer Science,  
**University of Minnesota**  
Summer 2010 Research Intern, **Autodesk Research**, Toronto, CA

## T E A C H I N G

- CS 533 (Introduction to Data Science)
- CS 597 (Recommender Systems)
- CS 410 / CS 510 (Databases)
- Recommender Systems specialization on Coursera

## S E L E C T E D P U B L I C A T I O N S

Author formatting key: **myself**, [advised student](#), [other Boise State student](#).

- 2018 **Michael D. Ekstrand**, [Mucun Tian](#), [Ion Madraza Azpiazu](#), [Jennifer D. Ekstrand](#), [Oghenemaro Anuyah](#), [David McNeill](#), and Maria Soledad Pera. 2018. All The Cool Kids, How Do They Fit In?: Popularity and Demographic Biases in Recommender Evaluation and Effectiveness. In *Proceedings of the Conference on Fairness, Accountability and Transparency*. PMLR 81:172–186.
- 2018 **Michael D. Ekstrand**, [Rezvan Joshaghani](#), and Hoda Mehrpouyan. 2018. Privacy for All: Ensuring Fair and Equitable Privacy Protections. In *Proceedings of the Conference on Fairness, Accountability and Transparency*. PMLR 81:35–47.
- 2017 **Michael D. Ekstrand** and [Vaibhav Mahant](#). 2017. Surgeon and the Cool Kids: Problems with Top-N Recommender Evaluation. In *Proceedings of the 30<sup>th</sup> International Florida Artificial Intelligence Research Society Conference*. { citeStats() }
- 2016 **Michael D. Ekstrand** and Martijn C. Willemsen. 2016. Behaviorism is Not Enough: Better Recommendations through Listening to Users. In *Proceedings of the Tenth ACM Conference on Recommender Systems (RecSys '16)*. ACM. DOI:10.1145/2959100.2959179.
- 2015 **Michael D. Ekstrand**, Daniel Kluver, F. Maxwell Harper, and Joseph A. Konstan. 2015. Letting Users Choose Recommender Algorithms: An Experimental Study. In *Proceedings of the Ninth ACM Conference on Recommender Systems (RecSys '15)*. ACM. DOI:10.1145/2792838.2800195.
- 2016 **Michael D. Ekstrand** and Michael Ludwig. 2016. Dependency Injection with Static Analysis and Context-Aware Policy. *Journal of Object Technology* 15, 1 (February 2016), pp 1:1–31. DOI:10.5381/jot.2016.15.5.a1.

- 2014 **Michael D. Ekstrand**, F. Maxwell Harper, Martijn C. Willemsen, and Joseph A. Konstan. 2014. User Perception of Differences in Recommender Algorithms. In *Proceedings of the Eighth ACM Conference on Recommender Systems (RecSys '14)*. ACM. DOI:10.1145/2645710.2645737.
- 2015 Joseph A. Konstan, J.D. Walker, D. Christopher Brooks, Keith Brown, and **Michael D. Ekstrand**. 2015. Teaching Recommender Systems at Large Scale: Evaluation and Lessons Learned from a Hybrid MOOC. *Transactions on Computer-Human Interaction* 22, 2, Article 10 (April 2015), 23 pages. DOI:10.1145/2728171.
- 2013 Tien T. Nguyen, Daniel Kluver, Ting-Yu Wang, Pik-Mai Hui, **Michael D. Ekstrand**, Martijn C. Willemsen, and John Riedl. 2013. Rating Support Interfaces to Improve User Experience and Recommender Accuracy. In *Proceedings of the Seventh ACM Conference on Recommender Systems (RecSys '13)*. ACM. DOI:10.1145/2507157.2507188.
- 2012 Daniel Kluver, Tien T. Nguyen, **Michael Ekstrand**, Shilad Sen, and John Riedl. 2012. How Many Bits per Rating?. In *Proceedings of the Sixth ACM Conference on Recommender Systems (RecSys '12)*. ACM, pp 99–106. DOI:10.1145/2365952.2365974.
- 2011 **Michael D. Ekstrand**, Michael Ludwig, Joseph A. Konstan, and John T. Riedl. 2011. Rethinking The Recommender Research Ecosystem: Reproducibility, Openness, and LensKit. In *Proceedings of the Fifth ACM Conference on Recommender Systems (RecSys '11)*. ACM, 133–140. DOI:10.1145/2043932.2043958.
- 2011 **Michael D. Ekstrand**, John T. Riedl, and Joseph A. Konstan. 2011. Collaborative Filtering Recommender Systems. *Foundations and Trends® in Human-Computer Interaction* 4, 2 (February 2011), pp 81–173. DOI:10.1561/1100000009.
- 2011 **Michael Ekstrand**, Wei Li, Tovi Grossman, Justin Matejka, and George Fitzmaurice. 2011. Searching for Software Learning Resources Using Application Context. In *Proceedings of the 24th Annual ACM Symposium on User Interface Software and Technology (UIST '11)*. ACM, 195–204. DOI:10.1145/2047196.2047220.
- 2010 **Michael D. Ekstrand**, Praveen Kannan, James A. Stemper, John T. Butler, Joseph A. Konstan, and John T. Riedl. 2010. Automatically Building Research Reading Lists. In *Proceedings of the Fourth ACM Conference on Recommender Systems (RecSys '10)*. ACM, 159–166. DOI:10.1145/1864708.1864740.

## R E S E A R C H F U N D I N G

- 2014 Texas State University Research Enhancement Program (competitive internal research grant), \$8000: *Temporal Analysis of Recommender Systems*.

## P R O F E S S I O N A L S E R V I C E

- ACM Conference on Recommender Systems (General Co-chair 2018, Steering Committee & PC member, Publicity 2016, Demos 2012)
- Conference on Fairness, Accountability, and Transparency (Steering Committee, Systems Track co-chair 2018)
- Distinguished Reviewer, *ACM Transactions on Interactive Intelligent Systems* (2017–present)
- Organizer, FATREC Workshop on Responsible Recommendation at RecSys 2017
- External advisor, CrowdRec (EU Framework Programme collaborative project, 2014–2016)
- PC member and/or reviewer for numerous conferences, including WWW (Track on Behavior Analysis and Personalization), FLAIRS Special Track on Recommender Systems, CHI, CSCW, IUI, SAC REcommender Systems track, UIST, WikiSym/OpenSym, ICWSM
- Reviewer for multiple journals, including TOIS, TWEB, TKDD, TIIS, TDSC, TKDE, PLOS ONE, and UMUI
- Proceedings co-chair, ACM CHI 2012–2013