

Michael D. Ekstrand, Ph.D.

CURRICULUM VITAE

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✧ EDUCATION ✧

- Ph.D. (2014) Computer Science, University of Minnesota.
Advisers: John T. Riedl and Joseph A. Konstan
B.S. (2007) Computer Engineering, Iowa State University.

✧ EMPLOYMENT HISTORY ✧

- 2023–present [Assistant Professor](#), Dept. of Information Science, [Drexel University](#)
[PI/Lead](#), Impact, Novation, Effectiveness, and Responsibility of Technology for
Information Access Lab (INERTIAL)
2022–2023 [Associate Professor](#), Dept. of Computer Science, [Boise State University](#)
[Co-director](#), People and Information Research Team (PIReT)
2016–2022 [Assistant Professor](#), Dept. of Computer Science, [Boise State University](#)
[Co-director](#), People and Information Research Team (PIReT)
2014–2016 [Assistant Professor](#), Dept. of Computer Science, [Texas State University](#)
2008–2014 [Graduate Research Assistant](#), GroupLens Research, [University of Minnesota](#)
Su 2012, F 2013 [Instructor](#), Dept. of Computer Science, [University of Minnesota](#)
Summer 2010 [Research Intern](#), [Autodesk Research](#) (Toronto)
2007–2008, [Teaching Assistant](#), Dept. of Computer Science, [University of Minnesota](#)
2011
2005–2007 [Undergrad RA](#), Scalable Computing Laboratory, [Iowa State University](#)

✧ STUDENTS ✧

CURRENT PH.D. STUDENTS

- ▶ **Samira Vaez Barenji** (expected 2029)
- ▶ **Sushobhan Parajuli** (expected 2029)

PH.D. GRADUATES

- ▶ **Ngozi Ihemelandu** (Ph.D. 2024, Boise State University; dissertation: *Best Practices for Offline Evaluation for Top-N Recommendation: Candidate Set Sampling and Statistical Inference*)
- ▶ **Amifa Raj** (Ph.D. 2023, Boise State University; dissertation: *Fair Layouts in Information Access Systems: Provider-Side Group Fairness in Ranking Beyond Ranked Lists*)

M.S. GRADUATES

- ▶ **Srabanti Guha** (M.S. 2023, Boise State University; project: *Explaining Misallocated Exposure across Multiple Rankings*)
- ▶ **Carlos Segura Cerna** (M.S. 2020, Boise State University; project: *Recommendation Server for LensKit*)
- ▶ **Mucun Tian** (M.S. 2019, Boise State University; thesis: *Estimating Error and Bias of Offline Recommender System Evaluation Results*)

- ▶ **Vaibhav Mahant** (M.S. 2016, Texas State University; thesis: *Improving Top-N Evaluation of Recommender Systems*)
- ▶ **Sushma Channamsetty** (M.S. 2016, Texas State University; thesis: *Recommender Response to User Profile Diversity and Popularity Bias*)
- ▶ **Mohammed Imran R Kazi** (M.S. 2016, Texas State University; thesis: *Exploring Potentially Discriminatory Biases in Book Recommendation*)
- ▶ **Shuvabrata Saha** (M.S. 2016, Texas State University; co-advised with Dr. Apan Qasem; thesis: *A Multi-objective Autotuning Framework For The Java Virtual Machine*)

UNDERGRADUATE STUDENT RESEARCH

I have supported and mentored the following undergraduate research students: Christine Pinney (BSU, UGRA + REU), Liana Shiroma (Colby Coll., REU 2021), Stephen Randall (U. Pitt, REU 2021), Connor Wood (BSU, REU 2020 + UGRA), Ananda Montoly (Smith Coll., REU 2020), Sandra Ambriz (BSU, HERC + UGRA).

Funding key:

- ▶ UGRA: undergraduate research assistant hired from research funds
- ▶ REU: Research Experience for Undergraduates
- ▶ HERC: Higher Education Research Consortium

⌘ RESEARCH FUNDING ⌘

EXTERNAL GRANTS // 2 // \$664K

2023–2026 Collaborative Research: CCRI: New: A Research News Recommender Infrastructure with Live Users for Algorithm and Interface Experimentation (NSF 22-32553) (\$1.4M; Drexel PI, my share \$150K; Lead PI Joseph A. Konstan, UMN).

2018–2025 CAREER: User-Based Simulation Methods for Quantifying Sources of Error and Bias in Recommender Systems (NSF 17-51278) (\$514K incl. REU supplements; PI; \$43,598 brought to Drexel).

INTERNAL GRANTS // 2 // \$27K

2017 Boise State College of Education Civility Grant: LITERATE: Locating Informational Texts for Engaging Readers And Teaching Equitably (\$19K; co-PI; with PI Katherine Wright & co-PI Sole Pera).

2014 Texas State University Research Enhancement Program (competitive internal TXST REP research grant): Temporal Analysis of Recommender Systems (\$8K; PI).

⌘ PUBLICATIONS & RESEARCH PRODUCTS ⌘

Author formatting key: **me**, advised student, other student; [†]presenter, [§]undergraduate student.

Citation counts are from Google Scholar (total 6413, *h*-index 33). Google Scholar merges some publications; in these cases, citations are reported on the most final version, such as the journal expansion of a conference article.

JOURNAL ARTICLES // 11

Referreed articles published in journals.

- J11. **Michael D. Ekstrand**, Aleksandra Sarcevic, Afsaneh Razi, Maria Soledad Pera, Robin Burke, and Katherine Landau Wright. **2025**. “[Recommending With, Not For: Co-Designing Recommender Systems for Social Good](#)”. *Transactions on Recommender Systems*. Just Accepted (August 4, 2025) (August 2025; online August 4, 2025). DOI:10.1145/3759261. arXiv:2508.03792 [cs.HC]. Cited 4 times.
- J10. Fernando Diaz, **Michael D. Ekstrand**, and Bhaskar Mitra. **2025**. “[Recall, Robustness, and Lexicographic Evaluation](#)”. *Transactions on Recommender Systems* 4(1) (July 2025; online April 6, 2025), pp. 13:1–50. DOI:10.1145/3728373. arXiv:2302.11370. Cited 10 times.
- J9. Jonathan Stray, Alon Halevy, Parisa Assar, Dylan Hadfield-Menell, Chloe Bakalar, Craig Boutilier, Amar Ashar, Lex Beattie, **Michael Ekstrand**, Claire Leibowicz, Connie Moon Sehat, Sara Johansen, Lianne Kerlin, David Vickrey, Spandana Singh, Sanne Vrijenhoek, Amy Zhang, McKane Andrus, Natali Helberger, Polina Proutskova, Tanushree Mitra, and Nina Vasan. **2024**. “[Building Human Values into Recommender Systems: An Interdisciplinary Synthesis](#)”. *Transactions on Recommender Systems* 2(3) (June 2024; online November 2, 2023), pp. 20:1–57. DOI:10.1145/3632297. arXiv:2207.10192 [cs.IR]. Cited 157 times.
- J8. **Michael D. Ekstrand**, Ben Carterette, and Fernando Diaz. **2024**. “[Distributionally-Informed Recommender System Evaluation](#)”. *Transactions on Recommender Systems* 2(1) (March 2024; online August 7, 2023), pp. 6:1–27. DOI:10.1145/3613455. arXiv:2309.05892 [cs.IR]. Cited 26 times.
- J7. **Michael D. Ekstrand**, Anubrata Das, Robin Burke, and Fernando Diaz. **2022**. “[Fairness in Information Access Systems](#)”. *Foundations and Trends® in Information Retrieval* 16(1–2) (July 2022), pp. 1–177. DOI:10.1561/15000000079. arXiv:2105.05779 [cs.IR]. Impact factor: 8. Cited 264 times.
- J6. **Michael D. Ekstrand** and Daniel Kluver. **2021**. “[Exploring Author Gender in Book Rating and Recommendation](#)”. *User Modeling and User-Adapted Interaction* 31(3) (February 2021), pp. 377–420. DOI:10.1007/s11257-020-09284-2. arXiv:1808.07586v2. Impact factor: 4.412. Cited 228 times.
- J5. **Michael D. Ekstrand**, Katherine Landau Wright, and Maria Soledad Pera. **2020**. “[Enhancing Classroom Instruction with Online News](#)”. *Aslib Journal of Information Management* 72(5) (November 2020; online June 2, 2020), pp. 725–744. DOI:10.1108/AJIM-11-2019-0309. Impact factor: 1.903. Cited 22 times.
- J4. **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.2016.15.1.a1. Cited 17 times.
- J3. 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) (April 2015), pp. 10:1–23. DOI:10.1145/2728171. Impact factor: 1.293. Cited 117 times.
- J2. Justin J. Levandoski, **Michael D. Ekstrand**, Michael J. Ludwig, Ahmad Eldawy, Mohamed F. Mokbel, and John T. Riedl. **2011**. “[RecBench: Benchmarks for Evaluating Performance of](#)

[Recommender System Architectures](#)". *Proceedings of the VLDB Endowment* 4(11) (August 2011), pp. 911–920. Acceptance rate: 18%. Cited 23 times.

- J1. **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:10.1561/11000000009. Cited 1868 times.

PEER-REVIEWED CONFERENCE PAPERS // 34

Peer-reviewed full and short papers published in conference proceedings.

- C34. Alexandra Olteanu, Su Lin Blodgett, Agathe Balayn, Angelina Wang, Fernando Diaz, Flavio du Pin Calmon, Margaret Mitchell, **Michael Ekstrand**, Reuben Binns, and Solon Barocas. 2025. "[Rigor in AI: Doing Rigorous AI Work Requires a Broader, Responsible AI-Informed Conception of Rigor](#)". In *Proceedings of the Thirty-Ninth Annual Conference on Neural Information Processing Systems* (NeurIPS 2025, Position Papers), Nov 30, 2025. arXiv:2506.14652. Acceptance rate: 8%. Cited 1 time.
- C33. Jacy Reese Anthis[†], Kristian Lum, **Michael Ekstrand**, Avi Feller, and Chenhao Tan. 2025. "[The Impossibility of Fair LLMs](#)". In *Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)* (ACL 2025), Jul 27–Aug 1, 2025. Association for Computational Linguistics, pp. 105–120. DOI:10.18653/v1/2025.acl-long.5. arXiv:2406.03198. Acceptance rate: 20.3%. Cited 43 times.
- C32. [Mohammad Namvarpour](#)[†], [Elham Aghakhani](#), **Michael D. Ekstrand**, Rezvaneh Rezapour, and Afsaneh Razi. 2025. "[The Evolving Landscape of Online Child Safety: Insights from Media Analysis](#)". In *Proceedings of the 17th ACM Web Science Conference* (WebSci '25), May 20–24, 2025. DOI:10.1145/3717867.3717874. Acceptance rate: 39.6%. Cited 2 times.
- C31. Andrés Ferraro, **Michael D. Ekstrand**, and Christine Bauer. 2024. "[It's Not You, It's Me: The Impact of Choice Models and Ranking Strategies on Gender Imbalance in Music Recommendation](#)". Short paper in *Proceedings of the 18th ACM Conference on Recommender Systems* (RecSys '24), Oct 14, 2024. ACM, pp. 884–889. DOI:10.1145/3640457.3688163. arXiv:2409.03781 [cs.IR]. Acceptance rate: 22%. Cited 15 times.
- C30. [Ngozi Ihemelandu](#) and **Michael D. Ekstrand**[†]. 2024. "[Multiple Testing for IR and Recommendation System Experiments](#)". Short paper in *Proceedings of the 46th European Conference on Information Retrieval* (ECIR '24), Mar 24–28, 2024. *Lecture Notes in Computer Science* 14610, pp. 449–457. DOI:10.1007/978-3-031-56063-7_37. Acceptance rate: 24.3%. Cited 4 times.
- C29. **Michael D. Ekstrand**[†], Lex Beattie, Maria Soledad Pera, and Henriette Cramer. 2024. "[Not Just Algorithms: Strategically Addressing Consumer Impacts in Information Retrieval](#)". In *Proceedings of the 46th European Conference on Information Retrieval* (ECIR '24, IR for Good track), Mar 24–28, 2024. *Lecture Notes in Computer Science* 14611, pp. 314–335. DOI:10.1007/978-3-031-56066-8_25. Acceptance rate: 35.9%. Cited 18 times.
- C28. [Amifa Raj](#) and **Michael D. Ekstrand**[†]. 2024. "[Towards Optimizing Ranking in Grid-Layout for Provider-side Fairness](#)". In *Proceedings of the 46th European Conference on Information Retrieval* (ECIR '24, IR for Good track), Mar 24–28, 2024. *Lecture Notes in Computer*

- Science* **14612**, pp. 90–105. DOI:10.1007/978-3-031-56069-9_7. Acceptance rate: 35.9%. Cited 6 times.
- C27. [Ngozi Ihemelandu](#)[†] and **Michael D. Ekstrand**. **2023**. “[Candidate Set Sampling for Evaluating Top-N Recommendation](#)”. In *Proceedings of the 22nd IEEE/WIC International Conference on Web Intelligence and Intelligent Agent Technology* (WI-IAT '23), Oct 26–29, 2023. pp. 88–94. DOI:10.1109/WI-IAT59888.2023.00018. arXiv:2309.11723 [cs.IR]. Acceptance rate: 28%. Cited 9 times.
- C26. [Amifa Raj](#), Bhaskar Mitra, **Michael D. Ekstrand**[†], and Nick Craswell. **2023**. “[Patterns of Gender-Specializing Query Reformulation](#)”. Short paper in *Proceedings of the 46th International ACM SIGIR Conference on Research and Development in Information Retrieval* (SIGIR '23), Jul 23, 2023. pp. 2241–2245. DOI:10.1145/3539618.3592034. arXiv:2304.13129. Acceptance rate: 25.1%. Cited 5 times.
- C25. [Ngozi Ihemelandu](#) and **Michael D. Ekstrand**[†]. **2023**. “[Inference at Scale: Significance Testing for Large Search and Recommendation Experiments](#)”. Short paper in *Proceedings of the 46th International ACM SIGIR Conference on Research and Development in Information Retrieval* (SIGIR '23), Jul 23, 2023. pp. 2087–2091. DOI:10.1145/3539618.3592004. arXiv:2305.02461. Acceptance rate: 25.1%. Cited 4 times.
- C24. [Christine Pinney](#)^{§†}, [Amifa Raj](#), Alex Hanna, and **Michael D. Ekstrand**. **2023**. “[Much Ado About Gender: Current Practices and Future Recommendations for Appropriate Gender-Aware Information Access](#)”. In *Proceedings of the 2023 Conference on Human Information Interaction and Retrieval* (CHIIR '23), Mar 19, 2023. pp. 269–279. DOI:10.1145/3576840.3578316. arXiv:2301.04780. Acceptance rate: 39.4%. Cited 35 times.
- C23. [Amifa Raj](#)[†] and **Michael D. Ekstrand**. **2022**. “[Measuring Fairness in Ranked Results: An Analytical and Empirical Comparison](#)”. In *Proceedings of the 45th International ACM SIGIR Conference on Research and Development in Information Retrieval* (SIGIR '22), Jul 11, 2022. pp. 726–736. DOI:10.1145/3477495.3532018. Acceptance rate: 20%. Cited 91 times.
- C22. [A. K. M. Nuhil Mehdy](#)[†], **Michael D. Ekstrand**, Bart Knijnenburg, and Hoda Mehrpouyan. **2021**. “[Privacy as a Planned Behavior: Effects of Situational Factors on Privacy Perceptions and Plans](#)”. In *Proceedings of the 29th ACM Conference on User Modeling, Adaptation and Personalization* (UMAP '21), Jul 1, 2021. ACM, pp. 169–178. DOI:10.1145/3450613.3456829. arXiv:2104.11847 [cs.SI]. Acceptance rate: 23%. Cited 29 times.
- C21. Ömer Kirnap[†], Fernando Diaz, Asia J. Biega, **Michael D. Ekstrand**, Ben Carterette, and Emine Yilmaz. **2021**. “[Estimation of Fair Ranking Metrics with Incomplete Judgments](#)”. In *Proceedings of The Web Conference 2021* (TheWebConf 2021), Apr 19, 2021. ACM, pp. 1065–1075. DOI:10.1145/3442381.3450080. arXiv:2108.05152. Acceptance rate: 21%. Cited 57 times.
- C20. **Michael D. Ekstrand**[†]. **2020**. “[LensKit for Python: Next-Generation Software for Recommender Systems Experiments](#)”. In *Proceedings of the 29th ACM International Conference on Information and Knowledge Management* (CIKM '20, Resource track), Oct 21, 2020. ACM, pp. 2999–3006. DOI:10.1145/3340531.3412778. arXiv:1809.03125 [cs.IR]. No acceptance rate reported. Cited 148 times.

- C19. Fernando Diaz[†], Bhaskar Mitra, **Michael D. Ekstrand**, Asia J. Biega, and Ben Carterette. **2020**. “[Evaluating Stochastic Rankings with Expected Exposure](#)”. In *Proceedings of the 29th ACM International Conference on Information and Knowledge Management* (CIKM '20), Oct 21, 2020. ACM, pp. 275–284. DOI:10.1145/3340531.3411962. arXiv:2004.13157 [cs.IR]. Acceptance rate: 20%. Nominated for Best Long Paper. Cited 233 times.
- C18. [Mucun Tian](#) and **Michael D. Ekstrand**. **2020**. “[Estimating Error and Bias in Offline Evaluation Results](#)”. Short paper in *Proceedings of the 2020 Conference on Human Information Interaction and Retrieval* (CHIIR '20), Mar 14, 2020. ACM, pp. 5. DOI:10.1145/3343413.3378004. arXiv:2001.09455 [cs.IR]. Acceptance rate: 47%. Cited 15 times.
- C17. **Michael D. Ekstrand**[†], [Mucun Tian](#), [Mohammed R. Imran Kazi](#), Hoda Mehrpouyan, and Daniel Kluver. **2018**. “[Exploring Author Gender in Book Rating and Recommendation](#)”. In *Proceedings of the 12th ACM Conference on Recommender Systems* (RecSys '18), Oct 3, 2018. ACM, pp. 242–250. DOI:10.1145/3240323.3240373. arXiv:1808.07586v1 [cs.IR]. Acceptance rate: 17.5%. Citations reported under UMUA121.
- C16. **Michael D. Ekstrand**[†], [Rezvan Joshaghani](#), and Hoda Mehrpouyan[†]. **2018**. “[Privacy for All: Ensuring Fair and Equitable Privacy Protections](#)”. In *Proceedings of the 1st Conference on Fairness, Accountability and Transparency* (FAT* 2018), Feb 23, 2018. PMLR, *Proceedings of Machine Learning Research* **81**, pp. 35–47. [proceedings.mlr.press/v81/ekstrand18a.html](#). Acceptance rate: 24%. Cited 120 times.
- C15. **Michael D. Ekstrand**[†], [Mucun Tian](#), [Ion Madrazo 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 1st Conference on Fairness, Accountability and Transparency* (FAT* 2018), Feb 23, 2018. PMLR, *Proceedings of Machine Learning Research* **81**, pp. 172–186. [proceedings.mlr.press/v81/ekstrand18b.html](#). Acceptance rate: 24%. Cited 378 times.
- C14. **Michael D. Ekstrand**[†] and [Vaibhav Mahant](#). **2017**. “[Sturgeon and the Cool Kids: Problems with Random Decoys for Top-N Recommender Evaluation](#)”. In *Proceedings of the 30th International Florida Artificial Intelligence Research Society Conference* (Recommender Systems track), May 29, 2017. AAAI, pp. 639–644. No acceptance rate reported. Cited 26 times.
- C13. [Sushma Channamsetty](#) and **Michael D. Ekstrand**[†]. **2017**. “[Recommender Response to Diversity and Popularity Bias in User Profiles](#)”. Short paper in *Proceedings of the 30th International Florida Artificial Intelligence Research Society Conference* (Recommender Systems track), May 29, 2017. AAAI, pp. 657–660. No acceptance rate reported. Cited 23 times.
- C12. **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, Past, Present, and Future track), Sep 17, 2016. ACM, pp. 221–224. DOI:10.1145/2959100.2959179. Acceptance rate: 36%. Cited 171 times.

- C11. **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 9th ACM Conference on Recommender Systems* (RecSys '15), Sep 16, 2015. ACM, pp. 11–18. DOI:10.1145/2792838.2800195. Acceptance rate: 21%. Cited 142 times.
- C10. **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 8th ACM Conference on Recommender Systems* (RecSys '14), Oct 6, 2014. ACM, pp. 161–168. DOI:10.1145/2645710.2645737. Acceptance rate: 23%. Cited 324 times.
- C9. Joseph A. Konstan[†], J.D. Walker, D. Christopher Brooks, Keith Brown, and **Michael D. Ekstrand**. **2014**. [“Teaching Recommender Systems at Large Scale: Evaluation and Lessons Learned from a Hybrid MOOC”](#). In *Proceedings of the First ACM Conference on Learning @ Scale* (L@S '14), Mar 4, 2014. ACM, pp. 61–70. DOI:10.1145/2556325.2566244. Acceptance rate: 37%. Citations reported under TOCHI15.
- C8. 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 7th ACM Conference on Recommender Systems* (RecSys '13), Oct 14, 2013. ACM, pp. 149–156. DOI:10.1145/2507157.2507188. Acceptance rate: 24%. Cited 61 times.
- C7. **Michael Ekstrand[†]** and John Riedl. **2012**. [“When Recommenders Fail: Predicting Recommender Failure for Algorithm Selection and Combination”](#). Short paper in *Proceedings of the Sixth ACM Conference on Recommender Systems* (RecSys '12), Sep 10, 2012. ACM, pp. 233–236. DOI:10.1145/2365952.2366002. Acceptance rate: 32%. Cited 91 times.
- C6. 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), Sep 10, 2012. ACM, pp. 99–106. DOI:10.1145/2365952.2365974. Acceptance rate: 20%. Cited 47 times.
- C5. Justin J. Levandoski[†], Mohamed Sarwat, Mohamed F. Mokbel, and **Michael D. Ekstrand**. **2012**. [“RecStore: An Extensible And Adaptive Framework for Online Recommender Queries Inside the Database Engine”](#). In *Proceedings of the 15th International Conference on Extending Database Technology* (EDBT '12), Mar 26, 2012. ACM, pp. 86–96. DOI:10.1145/2247596.2247608. Acceptance rate: 23%. Cited 21 times.
- C4. **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), Oct 24, 2011. ACM, pp. 133–140. DOI:10.1145/2043932.2043958. Acceptance rate: 27% (20% for oral presentation, which this received). Cited 267 times.
- C3. **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), Oct 17, 2011. ACM, pp. 195–204. DOI:10.1145/2047196.2047220. Acceptance rate: 25%. Cited 59 times.

- C2. **Michael D. Ekstrand[†]**, Praveen Kannan, James A. Stempter, John T. Butler, Joseph A. Konstan, and John T. Riedl. **2010**. “[Automatically Building Research Reading Lists](#)”. In *Proceedings of the 4th ACM Conference on Recommender Systems* (RecSys '10), Sep 27, 2010. ACM, pp. 159–166. DOI:10.1145/1864708.1864740. Acceptance rate: 19%. Cited 129 times.
- C1. **Michael D. Ekstrand[†]** and John T. Riedl. **2009**. “[rv you're dumb: Identifying Discarded Work in Wiki Article History](#)”. In *Proceedings of the 5th International Symposium on Wikis and Open Collaboration* (WikiSym '09), Oct 25, 2009. ACM, pp. 10. DOI:10.1145/1641309.1641317. Acceptance rate: 36%. Selected as Best Paper. Cited 36 times.

BOOK CHAPTERS // 2

- BC2. **Michael D. Ekstrand**, Anubrata Das, Robin Burke, and Fernando Diaz. **2022**. “[Fairness in Recommender Systems](#)”. In *Recommender Systems Handbook* (3rd edition). Francesco Ricci, Lior Roach, and Bracha Shapira, eds. Springer-Verlag, pp. 679–707. DOI:10.1007/978-1-0716-2197-4_18. Cited 64 times.
- BC1. Daniel Kluver, **Michael D. Ekstrand**, and Joseph A. Konstan. **2018**. “[Rating-Based Collaborative Filtering: Algorithms and Evaluation](#)”. In *Social Information Access*. Peter Brusilovsky and Daqing He, eds. Springer-Verlag, *Lecture Notes in Computer Science*, vol. 10100, pp. 344–390. DOI:10.1007/978-3-319-90092-6_10. Cited 170 times.

WORKSHOPS AND POSTERS // 20

Peer-reviewed articles for workshops, poster proceedings, and similar venues.

- W20. Alan Said, Maria Soledad Pera, and **Michael D. Ekstrand**. **2025**. “[We're Still Doing It \(All\) Wrong: Recommender Systems, Fifteen Years Later](#)”. In *Proceedings of Beyond Algorithms: Reclaiming the Interdisciplinary Roots of Recommender Systems Workshop (BEYOND 2025)*, at RecSys 2025, Sep 26, 2025. *CEUR Workshop Proceedings* **4063**. ceur-ws.org/Vol-4063/paper5.pdf. arXiv:2509.09414 [cs.IR].
- W19. Karl Higley, Robin Burke, **Michael D. Ekstrand**, and Bart Knijnenburg. **2025**. “[What News Recommendation Research Did \(But Mostly Didn't\) Teach Us About Building A News Recommender](#)”. In *Proceedings of Beyond Algorithms: Reclaiming the Interdisciplinary Roots of Recommender Systems Workshop (BEYOND 2025)*, at RecSys 2025, Sep 26, 2025. *CEUR Workshop Proceedings* **4063**. ceur-ws.org/Vol-4063/paper1.pdf. arXiv:2509.12361 [cs.IR]. Cited 1 time.
- W18. **Samira Vaez Barenji[†]**, **Sushobhan Parajuli**, and **Michael D. Ekstrand**. **2025**. “[User and Recommender Behavior Over Time: Contextualizing Activity, Effectiveness, Diversity, and Fairness in Book Recommendation](#)”. In *Adjunct Proceedings of the 33rd ACM Conference on User Modeling, Adaptation and Personalization* (UMAP Adjunct '25), Workshop on Fairness in User Modeling, Adaptation and Personalization, Jun 16, 2025. DOI:10.1145/3708319.3733710. arXiv:2505.04518.

- W17. Jacy Reese Anthis, Kristian Lum, **Michael Ekstrand**, Avi Feller, Alexander D'Amour, and Chenhao Tan. **2024**. “[The Impossibility of Fair LLMs](#)”. In *HEAL: Human-centered Evaluation and Auditing of Language Models*, a non-archival workshop at CHI 2024, May 12, 2024. arXiv:2406.03198v1 [cs.CL]. Citations reported under ACL25.
- W16. [Amifa Raj](#) and **Michael D. Ekstrand**[†]. **2023**. “[Towards Measuring Fairness in Grid Layout in Recommender Systems](#)”. Presented at the *6th FAccTrec Workshop on Responsible Recommendation* at RecSys 2023 (peer-reviewed but not archived). arXiv:2309.10271 [cs.IR]. Cited 1 time.
- W15. **Michael D. Ekstrand**[†] and Maria Soledad Pera. **2022**. “[Matching Consumer Fairness Objectives & Strategies for RecSys](#)”. Presented at the *5th FAccTrec Workshop on Responsible Recommendation* at RecSys 2022 (peer-reviewed but not archived). arXiv:2209.02662 [cs.IR]. Cited 8 times.
- W14. [Amifa Raj](#)[†] and **Michael D. Ekstrand**. **2022**. “[Fire Dragon and Unicorn Princess: Gender Stereotypes and Children's Products in Search Engine Responses](#)”. In *SIGIR eCom '22*, Jul 15, 2022. pp. 9. DOI:10.48550/arXiv.2206.13747. arXiv:2206.13747 [cs.IR]. Cited 14 times.
- W13. [Lawrence Spear](#)[†], [Ashlee Milton](#), [Garrett Allen](#), [Amifa Raj](#), [Michael Green](#), **Michael D. Ekstrand**, and Maria Soledad Pera. **2021**. “[Baby Shark to Barracuda: Analyzing Children's Music Listening Behavior](#)”. In *RecSys 2021 Late-Breaking Results* (RecSys '21 LBR), Sep 26, 2021. pp. 639–644. DOI:10.1145/3460231.3478856. Cited 20 times.
- W12. [Ngozi Ihemelandu](#)[†] and **Michael D. Ekstrand**. **2021**. “[Statistical Inference: The Missing Piece of RecSys Experiment Reliability Discourse](#)”. In *Proceedings of the Perspectives on the Evaluation of Recommender Systems Workshop 2021* (PERSPECTIVES @ RecSys '21), Sep 25, 2021. CEUR Workshop Proceedings. ceur-ws.org/Vol-2955/paper9.pdf. arXiv:2109.06424 [cs.IR]. Cited 9 times.
- W11. [Amifa Raj](#)[†], [Ashlee Milton](#), and **Michael D. Ekstrand**. **2021**. “[Pink for Princesses, Blue for Superheroes: The Need to Examine Gender Stereotypes in Kids' Products in Search and Recommendations](#)”. In *Proceedings of the 5th International and Interdisciplinary Workshop on Children & Recommender Systems* (KidRec '21), at IDC 2021, Jun 27, 2021. arXiv:2105.09296. Cited 13 times.
- W10. [Amifa Raj](#)[†], [Connor Wood](#)[§], Ananda Montoly[§], and **Michael D. Ekstrand**. **2020**. “[Comparing Fair Ranking Metrics](#)”. Presented at the *3rd FAccTrec Workshop on Responsible Recommendation* at RecSys 2020 (peer-reviewed but not archived). arXiv:2009.01311 [cs.IR]. Cited 47 times.
- W9. **Michael D. Ekstrand**, [Ion Madrazo Azpiazu](#)[†], Katherine Landau Wright, and Maria Soledad Pera. **2018**. “[Retrieving and Recommending for the Classroom: Stakeholders, Objectives, Resources, and Users](#)”. In *Proceedings of the ComplexRec 2018 Second Workshop on Recommendation in Complex Scenarios* (ComplexRec '18), at RecSys 2018, Oct 7, 2018. Cited 10 times.
- W8. [Mucun Tian](#)[†] and **Michael D. Ekstrand**. **2018**. “[Monte Carlo Estimates of Evaluation Metric Error and Bias](#)”. *Computer Science Faculty Publications and Presentations* 148, Boise

- State University. Presented at the #cite-venue()[REVEAL 2018 Workshop on Offline Evaluation for Recommender Systems] at RecSys 2018. DOI:10.18122/cs_facpubs/148/boisestate. Cited 1 time.
- W7. **Michael D. Ekstrand[†]. 2018. “The LKPY Package for Recommender Systems Experiments: Next-Generation Tools and Lessons Learned from the LensKit Project”.** *Computer Science Faculty Publications and Presentations* 147, Boise State University. Presented at the #cite-venue()[REVEAL 2018 Workshop on Offline Evaluation for Recommender Systems] at RecSys 2018. DOI:10.18122/cs_facpubs/147/boisestate. arXiv:1809.03125v1 [cs.IR]. Cited 12 times.
- W6. Maria Soledad Pera[†], Katherine Wright, and **Michael D. Ekstrand. 2018. “Recommending Texts to Children with an Expert in the Loop”.** In *Proceedings of the 2nd International Workshop on Children & Recommender Systems* (KidRec '18), at IDC 2018, Jun 19, 2018. DOI:10.18122/cs_facpubs/140/boisestate. Cited 6 times.
- W5. **Rezvan Joshaghani[†], Michael D. Ekstrand, Bart Knijnenburg, and Hoda Mehrpouyan. 2018. “Do Different Groups Have Comparable Privacy Tradeoffs?”.** In *Moving Beyond a ‘One-Size Fits All’ Approach: Exploring Individual Differences in Privacy*, a workshop at CHI 2018, Apr 21, 2018. Cited 4 times.
- W4. **Michael D. Ekstrand[†] and Maria Soledad Pera. 2017. “The Demographics of Cool: Popularity and Recommender Performance for Different Groups of Users”.** In *RecSys 2017 Poster Proceedings*, Aug 28, 2017. CEUR, *Workshop Proceedings* 1905. Cited 17 times.
- W3. **Michael D. Ekstrand[†]. 2017. “Challenges in Evaluating Recommendations for Children”.** In *Proceedings of the International Workshop on Children & Recommender Systems* (KidRec), at RecSys 2017, Aug 27, 2017. Cited 16 times.
- W2. **Jennifer D. Ekstrand[†] and Michael D. Ekstrand. 2016. “First Do No Harm: Considering and Minimizing Harm in Recommender Systems Designed for Engendering Health”.** In *Proceedings of the Workshop on Recommender Systems for Health at RecSys '16*, Sep 15, 2016. Cited 18 times.
- W1. **Michael D. Ekstrand. 2014. “Building Open-Source Tools for Reproducible Research and Education”.** At *Sharing, Re-use, and Circulation of Resources in Cooperative Scientific Work*, a workshop at CSCW 2014, Feb 15, 2014.

EDITORIALLY-REVIEWED PUBLICATIONS // 5

Articles in magazines, journals, etc. that were editorially reviewed.

- E5. Johanne R. Trippas, J. Shane Culpepper, Mohammad Aliannejadi, James Allan, Enrique Amigó, Jaime Arguello, Leif Azzopardi, Peter Bailey, Jamie Callan, Rob Capra, Nick Craswell, Bruce Croft, Jeff Dalton, Gianluca Demartini, Laura Dietz, Zhicheng Dou, Carsten Eickhoff, **Michael Ekstrand**, Nicola Ferro, Norbert Fuhr, Dorota Glowacka, Faegheh Hasibi, Danula Hettiachchi, Rosie Jones, Jaap Kamps, Noriko Kando, Sarvnaz Karimi, Makoto P Kato, Bevan Koopman, Yiqun Liu, Chenglong Ma, Joel Mackenzie, Maria Maistro, Jiaxin Mao, Dana McKay, Bhaskar Mitra, Stefano Mizzaro, Alistair Moffat, Josiane Mothe, Iadh Ounis, Lida Rashidi, Yongli Ren, Mark Sanderson, Rodrygo Santos, Falk

- Scholer, Chirag Shah, Laurianne Sitbon, Ian Soboroff, Damiano Spina, Paul Thomas, Julián Urbano, Arjen de Vries, Ryen White, Abby Yuan, Hamed Zamani, Oleg Zendel, Min Zhang, Justin Zobel, Shengyao Zhuang, and Guido Zuccon. **2025**. [“Report from the Fourth Strategic Workshop on Information Retrieval in Lorne \(SWIRL 2025\)”](#). *SIGIR Forum* **59**(1) (June 2025), pp. 1–68. DOI:10.1145/3769733.3769739. Cited 10 times.
- E4. **Michael D. Ekstrand**, Maria Soledad Pera, and Katherine Landau Wright. **2023**. [“Seeking Information with a ‘More Knowledgeable Other’”](#). *ACM Interactions* **30**(1) (January 2023), pp. 70–73. DOI:10.1145/3573364. Cited 10 times.
- E3. Nasim Sonboli, Robin Burke, **Michael Ekstrand**, and Rishabh Mehrotra. **2022**. [“The Multisided Complexity of Fairness in Recommender Systems”](#). *AI Magazine* **43**(2) (June 2022), pp. 164–176. DOI:10.1002/aaai.12054. Cited 51 times.
- E2. Alexandra Olteanu, Jean Garcia-Gathright, Maarten de Rijke, **Michael D. Ekstrand**, Adam Roegiest, Aldo Lipani, Alex Beutel, Ana Lucic, Ana-Andreea Stoica, Anubrata Das, Asia Biega, Bart Voorn, Claudia Hauff, Damiano Spina, David Lewis, Douglas W Oard, Emine Yilmaz, Faegheh Hasibi, Gabriella Kazai, Graham McDonald, Hinda Haned, Iadh Ounis, Ilse van der Linden, Joris Baan, Kamuela N Lau, Krisztian Balog, Mahmoud Sayed, Maria Panteli, Mark Sanderson, Matthew Lease, Preethi Lahoti, and Toshihiro Kamishima. **2019**. [“FACTS-IR: Fairness, Accountability, Confidentiality, Transparency, and Safety in Information Retrieval”](#). *SIGIR Forum* **53**(2) (December 2019), pp. 20–43. DOI:10.1145/3458553.3458556. Cited 61 times.
- E1. Nicola Ferro, Norbert Fuhr, Gregory Grefenstette, Joseph A. Konstan, Pablo Castells, Elizabeth M. Daly, Thierry Declerck, **Michael D. Ekstrand**, Werner Geyer, Julio Gonzalo, Tsvi Kuflik, Krister Lindén, Bernardo Magnini, Jian-Yun Nie, Raffaele Perego, Bracha Shapira, Ian Soboroff, Nava Tintarev, Karin Verspoor, Martijn C. Willemsen, and Justin Zobel. **2018**. [“The Dagstuhl Perspectives Workshop on Performance Modeling and Prediction”](#). *SIGIR Forum* **52**(1) (June 2018), pp. 91–101. DOI:10.1145/3274784.3274789. Cited 19 times.

TUTORIALS // 5

- T5. Robin Burke and **Michael D. Ekstrand**. **2025**. [“Conducting Recommender Systems User Studies Using POPROX”](#). Tutorial presented at *Proceedings of the 33rd ACM International Conference on User Modeling, Adaptation, and Personalization* (UMAP 2025), Jun 16–19, 2025. DOI:10.1145/3708319.3727558. Cited 6 times.
- T4. **Michael D. Ekstrand**. **2025**. [“Fairness in Information Access: Conceptual Foundations and New Directions”](#). Tutorial presented at *Proceedings of the 47th European Conference on Information Retrieval*, Apr 6, 2025. DOI:10.1007/978-3-031-88720-8_41.
- T3. Joseph A. Konstan, Robin Burke, and **Michael D. Ekstrand**. **2024**. [“Conducting Recommender Systems User Studies Using POPROX”](#). Tutorial presented at *Proceedings of the 18th ACM Conference on Recommender Systems* (RecSys '24), Oct 14–18, 2024. pp. 1277–1278. DOI:10.1145/3640457.3687092.
- T2. **Michael D. Ekstrand**, Fernando Diaz, and Robin Burke. **2019**. [“Fairness and Discrimination in Recommendation and Retrieval”](#). Tutorial presented at *Proceedings of the 13th ACM*

Conference on Recommender Systems (RecSys '19), Sep 19, 2019. pp. 576–577.
DOI:10.1145/3298689.3346964. Cited 58 times.

- T1. **Michael D. Ekstrand**, Fernando Diaz, and Robin Burke. 2019. “[Fairness and Discrimination in Retrieval and Recommendation](#)”. Tutorial presented at *Proceedings of the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval* (SIGIR '19), Jul 21, 2019. pp. 1403–1404. DOI:10.1145/3331184.3331380. Cited 62 times.

DEMOS // 3

- D3. Tobias Vente, **Michael Ekstrand**, and Joeran Beel. 2023. “[Introducing LensKit-Auto, an Experimental Automated Recommender System \(AutoRecSys\) Toolkit](#)”. Demo recorded in *Proceedings of the 17th ACM Conference on Recommender Systems* (RecSys '23), Sep 18–22, 2023. pp. 1212–1216. DOI:10.1145/3604915.3610656. Cited 21 times.
- D2. [Ashlee Milton](#)^{S†}, [Michael Green](#), [Adam Keener](#), [Joshua Ames](#)^S, **Michael D. Ekstrand**, and Maria Soledad Pera. 2019. “[StoryTime: Eliciting Preferences from Children for Book Recommendations](#)”. Demo recorded in *Proceedings of the 13th ACM Conference on Recommender Systems* (RecSys '19), Sep 19, 2019. pp. 2. DOI:10.1145/3298689.3347048. Cited 19 times.
- D1. **Michael D. Ekstrand**[†], Michael Ludwig, Jack Kolb^S, and John T. Riedl. 2011. “[LensKit: A Modular Recommender Framework](#)”. Demo recorded in *Proceedings of the 5th ACM Conference on Recommender Systems* (RecSys '11), Oct 27, 2011. ACM, pp. 349–350. DOI:10.1145/2043932.2044001. Cited 49 times.

PREPRINTS AND REPORTS // 5

Unreviewed preprints, technical reports, and similar manuscripts.

Alexandra Olteanu, **Michael Ekstrand**, Carlos Castillo, and Jina Suh. 2023. “[Responsible AI Research Needs Impact Statements Too](#)”. arXiv:2311.11776 [cs.AI]. Cited 16 times.

[Amifa Raj](#) and **Michael D. Ekstrand**. 2023. “[Unified Browsing Models for Linear and Grid Layouts](#)”. arXiv:2310.12524 [cs.IR]. Cited 3 times.

Michael D. Ekstrand. 2021. “[Multiversal Simulacra: Understanding Hypotheticals and Possible Worlds Through Simulation](#)”. arXiv:2110.00811 [cs.IR]. Cited 4 times.

Michael D. Ekstrand and Joseph A. Konstan. 2019. “[Recommender Systems Notation: Proposed Common Notation for Teaching and Research](#)”. *Computer Science Faculty Publications and Presentations* 177, Boise State University. DOI:10.18122/cs_facpubs/177/boisestate. arXiv:1902.01348 [cs.IR]. Cited 13 times.

Nicola Ferro, Norbert Fuhr, Gregory Grefenstette, Joseph A. Konstan, Pablo Castells, Elizabeth M. Daly, Thierry Declerck, **Michael D. Ekstrand**, Werner Geyer, Julio Gonzalo, Tsvi Kuflik, Krister Lindén, Bernardo Magnini, Jian-Yun Nie, Raffaele Perego, Bracha Shapira, Ian Soboroff, Nava Tintarev, Karin Verspoor, Martijn C. Willemsen, and Justin Zobel. 2018. “[From Evaluating to Forecasting Performance: How to Turn Information Retrieval, Natural Language Processing and Recommender Systems into Predictive Sciences \(Dagstuhl Perspectives Workshop 17442\)](#)”.

Dagstuhl Manifestos 7(1) (November 2018), pp. 96–139. DOI:10.4230/DagMan.71.96. Cited 20 times.

WORKSHOP SUMMARIES AND REPORTS // 20

Summaries for workshops and special issues I have co-organized, as well as outcome reports that aren't listed under another category.

Michael D. Ekstrand, Toshihiro Kamishima, Amifa Raj, and Karlijn Dinnissen. **2025**. “[FAccTRec 2025: The 8th Workshop on Responsible Recommendation](#)”. Meeting summary in *Proceedings of the 18th ACM Conference on Recommender Systems* (RecSys '25), Sep 7, 2025. ACM. DOI:10.1145/3705328.374850.

Michael D. Ekstrand, Toshihiro Kamishima, Amifa Raj, and Karlijn Dinnissen. **2024**. “[FAccTRec 2024: The 7th Workshop on Responsible Recommendation](#)”. Meeting summary in *Proceedings of the 18th ACM Conference on Recommender Systems* (RecSys '24), Oct 14, 2024. ACM. DOI:10.1145/3640457.3687111. Cited 2 times.

Michael D. Ekstrand, Maria Soledad Pera, and Alan Said. **2024**. “[AltRecSys: A Workshop on Alternative, Unexpected, and Critical Ideas on Recommendation](#)”. Meeting summary in *Proceedings of the 18th ACM Conference on Recommender Systems* (RecSys '24), Oct 14, 2024. ACM. DOI:10.1145/3640457.3687104. Cited 1 time.

Michael D. Ekstrand, Jean Garcia-Gathright, Nasim Sonboli, [Amifa Raj](#), and Karlijn Dinnissen. **2023**. “[FAccTRec 2023: The 6th Workshop on Responsible Recommendation](#)”. Meeting summary in *Proceedings of the 17th ACM Conference on Recommender Systems* (RecSys '23), Sep 24, 2023. ACM. DOI:10.1145/3604915.3608761. Cited 2 times.

Michael D. Ekstrand, Graham McDonald, [Amifa Raj](#), and Isaac Johnson. **2023**. “[Overview of the TREC 2022 Fair Ranking Track](#)”. Meeting summary in *The Thirty-First Text REtrieval Conference (TREC 2022) Proceedings* (TREC 2022), Mar 1, 2023. trec.nist.gov/pubs/trec31/papers/Overview_fair.pdf. arXiv:2302.05558. Cited 64 times.

Michael D. Ekstrand, Graham McDonald, [Amifa Raj](#), and Isaac Johnson. **2022**. “[Overview of the TREC 2021 Fair Ranking Track](#)”. Meeting summary in *The Thirtieth Text REtrieval Conference (TREC 2021) Proceedings* (TREC 2021), Mar 1, 2022. trec.nist.gov/pubs/trec30/papers/Overview-F.pdf.

Michael D. Ekstrand, Pierre-Nicolas Schwab, Toshihiro Kamishima, and Nasim Sonboli. **2021**. “[FAccTRec 2021: The 4th Workshop on Responsible Recommendation](#)”. Meeting summary in *Proceedings of the 15th ACM Conference on Recommender Systems* (RecSys '21), Sep 24, 2021. ACM. DOI:10.1145/3460231.3470932. Cited 3 times.

Michael D. Ekstrand, Allison Chaney, Pablo Castells, Robin Burke, David Rohde, and Manel Slokom. **2021**. “[SimuRec: Workshop on Synthetic Data and Simulation Methods for Recommender Systems Research](#)”. Meeting summary in *Proceedings of the 15th ACM Conference on Recommender Systems* (RecSys '21), Sep 13, 2021. ACM. DOI:10.1145/3460231.3470938. Cited 28 times.

Robin Burke, **Michael D. Ekstrand**, Nava Tintarev, and Julita Vassileva. **2021**. “[Preface to the Special Issue on Fair, Accountable, and Transparent Recommender Systems](#)”. *User Modeling*

and User-Adapted Interaction 31(3) (July 2021), pp. 371–375. DOI:10.1007/s11257-021-09297-5. Cited 10 times.

Asia J. Biega, Fernando Diaz, **Michael D. Ekstrand**, Sergey Feldman, and Sebastian Kohlmeier. 2021. “[Overview of the TREC 2020 Fair Ranking Track](#)”. Meeting summary in *The Twenty-Ninth Text REtrieval Conference (TREC 2020) Proceedings* (TREC 2020), Mar 1, 2021. trec.nist.gov/pubs/trec29/papers/OVERVIEW.FR.pdf. arXiv:2108.05135.

Michael D. Ekstrand, Pierre-Nicolas Schwab, Jean Garcia-Gathright, Toshihiro Kamishima, and Nasim Sonboli. 2020. “[3rd FATREC Workshop: Responsible Recommendation](#)”. Meeting summary in *Proceedings of the 14th ACM Conference on Recommender Systems* (RecSys '20), Sep 15, 2020. ACM. DOI:10.1145/3383313.3411538. Cited 7 times.

Bamshad Mobasher, Stylani Kleanthous, **Michael D. Ekstrand**, Bettina Berendt, Janna Otterbacher, and Avital Schulner Tal. 2020. “[UMAP 2020 Fairness in User Modeling, Adaptation and Personalization \(FairUMAP 2020\) Chairs' Welcome](#)”. Meeting summary in *Adjunct Publication of the 28th ACM Conference on User Modeling, Adaptation and Personalization* (UMAP '20 Adjunct), Jul 1, 2020. ACM. DOI:10.1145/3386392.3399565.

Bamshad Mobasher, Stylani Kleanthous, **Michael D. Ekstrand**, Bettina Berendt, Janna Otterbacher, and Avital Schulner Tal. 2020. “[FairUMAP 2020: The 3rd Workshop on Fairness in User Modeling, Adaptation and Personalization](#)”. Meeting summary in *Proceedings of the 28th ACM Conference on User Modeling, Adaptation and Personalization* (UMAP '20), Jul 1, 2020. ACM. DOI:10.1145/3340631.3398671. Cited 5 times.

Asia J. Biega, Fernando Diaz, **Michael D. Ekstrand**, and Sebastian Kohlmeier. 2020. “[Overview of the TREC 2019 Fair Ranking Track](#)”. Meeting summary in *The Twenty-Eighth Text REtrieval Conference (TREC 2019) Proceedings* (TREC 2019), Mar 25, 2020. trec.nist.gov/pubs/trec28/papers/OVERVIEW.FR.pdf. arXiv:2003.11650. Cited 58 times.

Alexandra Olteanu, Jean Garcia-Gathright, Maarten de Rijke, and **Michael D. Ekstrand**. 2019. “[Workshop on Fairness, Accountability, Confidentiality, Transparency, and Safety in Information Retrieval \(FACTS-IR\)](#)”. Meeting summary in *Proceedings of the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval* (SIGIR '19), Jul 21, 2019. ACM. DOI:10.1145/3331184.3331644.

Bettina Berendt, Veronika Bogina, Robin Burke, **Michael D. Ekstrand**, Alan Hartman, Stylani Kleanthous, Tsvi Kuflik, Bamshad Mobasher, and Janna Otterbacher. 2019. “[FairUMAP 2019 Chairs' Welcome Overview](#)”. Meeting summary in *Adjunct Publication of the 27th Conference on User Modeling, Adaptation and Personalization* (UMAP '19), Jun 9, 2019. ACM. DOI:10.1145/3314183.3323842.

Toshihiro Kamishima, Pierre-Nicolas Schwab, and **Michael D. Ekstrand**. 2018. “[2nd FATREC Workshop: Responsible Recommendation](#)”. Meeting summary in *Proceedings of the 12th ACM Conference on Recommender Systems* (RecSys '18), Oct 7, 2018. ACM. DOI:10.1145/3240323.3240335. Cited 15 times.

Bamshad Mobasher, Robin Burke, **Michael D. Ekstrand**, and Bettina Berendt. 2018. “[UMAP 2018 Fairness in User Modeling, Adaptation and Personalization \(FairUMAP 2018\) Chairs' Welcome & Organization](#)”. Meeting summary in *Adjunct Publication of the 26th Conference on User*

Modeling, Adaptation, and Personalization (UMAP '18), Jul 8, 2018. ACM.
DOI:10.1145/3213586.3226200.

Michael D. Ekstrand and Amit Sharma. 2017. “The FATREC Workshop on Responsible Recommendation”. Meeting summary in *Proceedings of the 11th ACM Conference on Recommender Systems* (RecSys '17), Aug 28, 2017. ACM. DOI:10.1145/3109859.3109960. Cited 2 times.

Martijn Willemsen, Dirk Bollen, and Michael Ekstrand. 2011. “UCERSTI 2: Second Workshop on User-Centric Evaluation of Recommender Systems and Their Interfaces”. Meeting summary in *Proceedings of the 5th ACM Conference on Recommender Systems* (RecSys '11), Oct 23, 2011. ACM, pp. 395–396. DOI:10.1145/2043932.2044020. Cited 7 times.

OTHER PUBLICATIONS // 5

Publications and abstract-only presentations that don't fit elsewhere.

Michael D. Ekstrand, Ben Carterette, and Fernando Diaz. 2021. “Evaluating Recommenders with Distributions”. In *Proceedings of the RecSys 2021 Workshop on Perspectives on the Evaluation of Recommender Systems* (PERSPECTIVES @ RecSys '21), Sep 25, 2021. Cited 2 times.

Katherine Landau Wright, David McNeill, Michael D. Ekstrand, and Maria Soledad Pera. 2019. “Supplementing Classroom Texts with Online Resources”. At *2019 American Educational Research Association Conference*, Apr 5, 2019. Cited 17 times.

Katherine Landau Wright, Michael D. Ekstrand, and Maria Soledad Pera. 2018. “Supplementing Classroom Texts with Online Resources”. At *2018 Annual Meeting of the Northwest Rocky Mountain Educational Research Association*, Oct 18, 2018.

Michael D. Ekstrand. 2017. “Yak Shaving with Michael Ekstrand”. *CSR Tales* no. 4 (December 2017). purl.org//mde/alpaca.

Michael D. Ekstrand. 2014. “Towards Recommender Engineering: Tools and Experiments in Recommender Differences”. HDL:11299/165307. Cited 8 times.

SOFTWARE AND DATA

I have built several open-source software packages and data sets in the course of my research and other work. Open-source software distribution and open data are key pieces of my research dissemination strategy. My most significant development efforts are:

- **LensKit**, a toolkit for building, researching, and studying recommender systems. As of October 2025, the Python version (2018–) has been used in **113 papers**, theses, and educational resources, including the PBS show *Crash Course AI*. It has been downloaded over **72K times** from the Python Package Index in the last 12 months (according to PyPIStats). The original Java software (in development 2010–2018) is known to be used in **71 publications** and was used by over **2500 students** to complete programming assignments in the Recommender Systems MOOC.

The current version is 2025.6.1, released on Nov. 17, 2025. It is the 33rd release of LensKit for Python. Home page: <https://lenskit.org>.

- ▶ **Book Data Tools**, software tools to integrate multiple public sources of book and book consumption data into a data set for studying social effects in book publication, reading, and recommendation. Used in UMUI21 and RecSys18. <https://bookdata.inertial.science>

Active Supporting Packages

My work has also produced a number of utility packages to support this software and other efforts, including:

- ▶ **friendly**, a Rust package for rendering human-friendly numeric quantities with significant digits, auto-scaling SI and binary prefixes, etc. <https://github.com/mdekstrand/friendly>
- ▶ **happylog**, a Rust package for easily configuring log output for command-line programs. <https://github.com/mdekstrand/happylog>
- ▶ **hyperstatic**, a TypeScript library for generating static HTML or XML with JSX or a HyperScript-like API. <https://npmjs.com/package/@mdekstrand/hyperstatic>
- ▶ **hbsinterp**, a TypeScript interpreter for Handlebars templates optimized for content templating. <https://npmjs.com/package/@mdekstrand/hbsinterp>

Discontinued / Archived Packages

These packages spun out of the work above, but I am no longer actively maintaining them.

- ▶ **seedbank**, a Python package for consistently seeding random number generators. The scientific Python community has settled on a different approach (SPEC 7), which I have also now adopted. <https://seedbank.lenskit.org>
- ▶ **csr**, a Python package for managing sparse matrices in CSR format compatible with the Numba JIT for scientific python, and with Intel MKL acceleration for several operations. LensKit now uses PyTorch sparse tensors instead. <https://csr.lenskit.org>
- ▶ **binpickle**, a Python package for saving scientific data structures (such as machine learning models) to disk in either compressed or memory-mappable format. LensKit used to use this package to serialize models for both storage and shared-memory parallelism; discontinued in favor of more widely-used tools like Ray, zarr, and safetensors. <https://binpickle.lenskit.org>
- ▶ **Grapht**, a dependency injection framework for Java with novel configuration and static analysis capabilities (paper J4). <http://grapht.grouplens.org>

INVITED TALKS // 50

- Nov 2025 **Seminar** at *University of Maryland* (College Park, MD)
Operationalizing Optimism
- Oct 2025 **Seminar** at *Abington Free Library*
Online Information Access
- Sep 2025 **Lecture** at *ACM Europe Summer School on Recommender Systems*
Fairness in Recommender Systems
- Sep 2025 **Seminar** at *TU Wien Dept. of Informatics*
Where are the People?
- Aug 2025 **Seminar** at *Microsoft Research* (Montreal, Canada)
Operationalizing Optimism

- Jun 2025 [Keynote](#) at [AI & Society Conference 2025](#) (Zhuhai, China)
Searching for Fairness
- May 2025 [Seminar](#) at [UMass CIIR Talk Series](#) (Amherst, MA)
Search, Recommendation, and Sea Monsters
- Mar 2025 [Seminar](#) at [Pinterest AI Labs](#) (online)
Search, Recommendation, and Sea Monsters
- Oct 2024 [Keynote](#) at [ROEGEN](#) (workshop at RecSys 2024; Bari, Italy)
Responsible Recommendation in the Age of Generative AI
- Jul 2024 [Panelist](#) at [Workshop on Large Language Models \(LLMs\) for Evaluation in Information Retrieval](#) (at SIGIR 2024; Washington, DC)
- May 2024 [Overview talk](#) at [Dagstuhl Seminar 24211](#) (Wadern, Germany)
- May 2024 [Seminar](#) at [Delft University of Technology](#) (Delft, NL)
Search, Recommendation, and Sea Monsters
- Mar 2024 [Keynote](#) at [IR4U2](#) (workshop at ECIR 2024; Glasgow, Scotland)
To Serve Whom and How?
- Feb 2024 [Seminar](#) at [University of Colorado at Boulder](#) (Boulder, CO)
Search, Recommendation, and Sea Monsters
- Oct 2023 [Seminar](#) at [University of Glasgow](#) (virtual)
Search, Recommendation, and Sea Monsters
- May 2023 [Invited talk](#) at [Beyond Nudging, Towards Diversity: Understanding Transparent Algorithmic Recommendation Practices for Media and Communications](#) (post-conference panel at ICA 2023; virtual)
Beyond Diversity and Transparency: Normative Recommendation Goals in Human Context
- Mar 2023 [Seminar](#) at [University of Texas at Austin HCI group](#) (Austin, TX)
Search, Recommendation, and Sea Monsters
- Feb 2023 [Seminar](#) at [Drexel University](#)
Maps and Lenses on Fairness in Information Access Systems
- Jan 2023 [Seminar](#) at [University of Washington RAISE group](#)
Equity and Discrimination in Information Access
- Nov 2022 [Keynote](#) at [IBIS2022 \(Information-Based Inductive Systems and Machine Learning\)](#) (Japanese machine learning conference; Tsukuba, JP)
The Complexity of Fairness in Information Access
- Nov 2022 [Seminar](#) at [Waseda University](#) (Tokyo, JP)
Equity and Discrimination in Information Access
- Oct 2022 [Keynote](#) at [EvalRS workshop at CIKM 2022](#)
Do You Want To Hunt A Kraken? Mapping and Expanding Recommendation Fairness
- Sep 2022 [Guest lecture](#) at [University of Maine IR course](#) (virtual)
Fair IR and Test Collections
- Mar 2022 [Seminar](#) at [University of Michigan School of Information](#) (virtual)
You Might Also Think This Is Unfair
- Nov 2021 [Seminar](#) at [Vector Institute](#) (virtual)
Information Systems for Human Flourishing
- Oct 2020 [Guest lecture](#) at [Carnegie Mellon University Human-AI Interaction course](#)
Recommender Systems and Fairness

- May 2020 [Lecture](#) at [Idaho Council for Libraries](#) (Info2Go continuing education session; virtual)
Online Recommendation: What? Where? Why? How?
- Apr 2020 [Guest lecture](#) at [Emory University recommender systems course](#)
Recommender Systems and Fairness
- Mar 2020 [Seminar](#) at [Boise State University Ph.D in Computing Colloquium](#)
User, Agent, Subject, Spy
- Nov 2019 [Seminar](#) at [University of Texas at Austin](#)
User, Agent, Subject, Spy
- Oct 2019 [Session](#) at [Idaho Library Association 2019 Conference](#)
Online Recommendation: What? Where? Why? How?
- Aug 2019 [Lecture](#) at [IVADO Summer School](#) (Montréal, QC)
Fairness and Discrimination in Recommendation and Retrieval
- Aug 2019 [Seminar](#) at [Microsoft Research Montréal](#)
User, Agent, Subject, Spy
- Jul 2019 [Seminar](#) at [Criteo AI Labs](#) (Paris, France)
User, Agent, Subject, Spy
- May 2019 [Invited talk](#) at [CRA CCC Visioning Workshop on Economics and Fairness](#)
Recommendations, Decisions, Feedback Loops, and Maybe Saving the Planet
- Dec 2018 [Seminar](#) at [Clemson University](#)
User, Agent, Subject, Spy
- Nov 2018 [Seminar](#) at [Carnegie Mellon University Human-Computer Interaction Institute](#)
User, Agent, Subject, Spy
- Nov 2018 [Guest lecture](#) at [Carnegie Mellon University Human-AI Interaction course](#)
Recommender Systems
- Nov 2017 [Seminar](#) at [Whitman College](#) (Walla Walla, WA)
Making Information Systems Good for People
- Oct 2017 [Overview talk](#) at [Dagstuhl Seminar 17442](#)
- Jun 2017 [Seminar](#) at [RecSysNL at TU Delft](#) (Delft, NL)
Recommending for People
- Jun 2017 [Seminar](#) at [Jheronimus Academy of Data Science](#) ('s-Hertogenbosch, NL)
Recommending for People
- Jun 2017 [Seminar](#) at [UCL Mons](#) (Mons, BE)
Recommending for People
- Jun 2017 [Keynote](#) at [Brussels Big Data and Ethics Meetup](#) (inaugural event of the DigitYser
Big Data community; Brussels, BE)
Responsible Recommendation
- Nov 2016 [Seminar](#) at [University at Albany](#)
Recommending for People
- Oct 2016 [Lecture](#) at [Clearwater Developer Conference](#) (Boise, ID)
Introduction to Recommender Systems
- Sep 2015 [Invited talk](#) at [Large-Scale Recommender Systems](#) (workshop at RecSys '15)
Challenges in Scaling Recommender Systems Research
- Sep 2015 [Invited talk](#) at [RecSys Doctoral Symposium](#)
Levelling Up your Academic Career

- Sep 2012 [Invited talk](#) at [RecSys Challenge](#) (workshop at RecSys '12)
[Flexible Recommender Experiments with LensKit](#)
- Sep 2012 [Invited talk](#) at [RecSys Challenge](#) (workshop at RecSys '12)
[The MovieLens Data Set](#)

TEACHING

DREXEL UNIVERSITY

Year	Term	Course	Title	Credits	F2F	Online
25-26	Winter	DSCI 611	Data Workflow Automation	3	15	16
	Fall	DSCI 641	Rec. Sys. for Data Science	3	2	11
24-25	Spring	INFO 659	Intro to Data Analytics	3	14	15
	Winter	INFO 873	Equity in AI and Computing	1	8	–
	Winter	DSCI 641	Rec. Sys. for Data Science	3	12	10
	Fall	INFO 659	Intro to Data Analytics	3	6	16
23-24	Spring	INFO 659	Intro to Data Analytics	3	15	16
	Winter	DSCI 641	Rec. Sys. for Data Science	3	16	10
	Fall	INFO 659	Intro to Data Analytics	3	9	16

BOISE STATE UNIVERSITY

Year	Term	Course	Title	Credits	Students
22-23	S23	CS 538	Recommender Systems	3	12
	F22	CS 533	Intro to Data Science	3	27
21-22	S22	CS 230	Ethics in Computing	3	61
	F21	CS 533	Intro to Data Science	3	43
20-21	S21	CS 538	Recommender Systems	3	11
	F20	CS 533	Intro to Data Science	3	22
19-20	S20	CS 697	Equity and Discrimination	3	3
	S20	CS 410	Databases	3	36
	F19	CS 533	Intro to Data Science	3	28
18-19	S19	CS 538	Recommender Systems	3	12
	F18	CS 410/510	Databases	3	40
17-18	Su18	CS 310-HU	Intro to Databases	1	6
	S18	CS 410/510	Databases	3	22
	F17	CS 533	Intro to Data Science	3	22

Year	Term	Course	Title	Credits	Students
16–17	S17	CS 597	Recommender Systems	3	13
	F16	CS 410/510	Databases	3	28

TEXAS STATE UNIVERSITY

Year	Term	Course	Title	Students
	S16	CS 3320	Internet Software Development	48
15–16	S16	CS 5369Q/4379Q	Recommender Systems	26
	F15	CS 4332	Intro to Database Systems	39
	S15	CS 5369Q/4379Q	Recommender Systems	28
14–15	S15	CS 4350	Unix Systems Programming	32
	F14	CS 4332	Intro to Database Systems	50

COURSERA

I co-created the [Recommender Systems specialization](#) on Coursera, along with its two previous single-class versions, with Joseph A. Konstan. This course has reached over 95,000 learners across its 3 iterations.

UNIVERSITY OF MINNESOTA

Year	Term	Course	Title	Role	Students
13–14	Fall	CSCI 5980-1	Intro to Recommender Systems	Inst	~35
11–12	Summer	CSCI 1902	Structure of Computer Programming II	Inst	~25
10–11	Spring	CSCI 5125	Collaborative and Social Computing	TA	~30
	Summer	CSCI 1902	Structure of Computer Programming II	TA	~30
07–08	Spring	CSCI 1902	Structure of Computer Programming II	TA	~120
	Fall	CSCI 1902	Structure of Computer Programming II	TA	~120

TEACHING PROFESSIONAL DEVELOPMENT

- ▶ Boise State University teaching portfolio faculty learning community.
- ▶ Boise State University *Ten for Teaching* program.
- ▶ Boise State University Center for Teaching and Learning *Course Design Institute*, a one-week intensive session in Summer 2017.
- ▶ CTL workshops on service learning, mastery-based grading, and other topics.
- ▶ Texas State University's *Program for Excellence in Teaching and Learning* (2014–2015).
- ▶ *Preparing Future Faculty* at the University of Minnesota.

✧ SERVICE ✧

ONGOING PROFESSIONAL SERVICE, MEMBERSHIPS, AND HONORS

- ▶ [Executive committee](#), [ACM Conference on Recommender Systems](#) (RecSys), 2025–2029

- ▶ Associate editor, *ACM Transactions on Recommender Systems*, 2024–
- ▶ Editorial board, *Foundations and Trends in Information Retrieval*, 2023–
- ▶ Steering committee, *ACM Conference on Recommender Systems* (RecSys), 2017–
- ▶ Senior Member, *Association for Computing Machinery* since 2019
- ▶ Distinguished Reviewer, *ACM Transactions on Interactive Intelligent Systems* (TiiS), 2017–

PAST SERVICE HIGHLIGHTS

- ▶ Executive committee, *ACM Conference on Fairness, Accountability, and Transparency* (FAccT), 2020–2023
- ▶ Steering committee, *ACM Conference on Fairness, Accountability, and Transparency* (FAccT), 2017–2023 (inaugural member)
- ▶ Program co-chair, 16th *ACM Conference on Recommender Systems* (RecSys 2022)
- ▶ General co-chair, 12th *ACM Conference on Recommender Systems* (RecSys 2018)
- ▶ Co-chair, *FAccT Network*, 2019–2024

PROGRAM COMMITTEE AND EDITORIAL SERVICE

2026

- ▶ Area chair, *ACM FAccT 2026* technical program
- ▶ Senior area chair, *ACM SIGIR 2026* technical program
- ▶ Program committee, *ACM SIGIR 2026* Perspectives
- ▶ Track chair, *TheWebConf 2026* User Modeling, Personalization and Recommendation
- ▶ Reviewer, *ACM Transactions on Interactive Intelligent Systems* (x2)
- ▶ Reviewer, *ACM Transactions on the Web*

2025

- ▶ Best Paper committee, *ACM RecSys 2025* technical program
- ▶ Senior program committee, *SIGIR Asia-Pacific 2025* technical program
- ▶ Program committee, *ACM CIKM 2025* technical program
- ▶ Senior program committee, *ACM RecSys 2025* technical program
- ▶ Area chair, *ACM SIGIR 2025* technical program
- ▶ Program committee, *ACM SIGIR 2025* Perspectives
- ▶ Area chair, *ACM FAccT 2025* technical program
- ▶ Reviewer, *ACM Transactions on Information Systems* (x3)
- ▶ Reviewer, *ACM Transactions on Interactive Intelligent Systems*
- ▶ Reviewer, *ACM Transactions on Recommender Systems* (x3)
- ▶ Additional reviews for *ICTIR*
- ▶ Workshop reviewing: *RecSoGood @ RecSys 2025*, *IR4U2 @ SIGIR 2025*, and *ExUM @ UMAP 2025*
- ▶ Distinguished senior PC member award at *RecSys 2025*

2024

- ▶ Program committee, *ECIR 2025* (technical program, short papers)
- ▶ Program committee, *ACM CIKM 2024* technical program
- ▶ Senior program committee, *ACM RecSys 2024* technical program
- ▶ Area chair, *ACM FAccT 2024* technical program
- ▶ Area chair, *ACM SIGIR 2024* technical program
- ▶ Reviewer, *ACM Transactions on Information Systems* (x4)

- Reviewer, *ACM Transactions on Recommender Systems*
- Reviewer, *ACM Transactions on Interactive Intelligent Systems* (x2)
- Reviewer, *ACM Transactions on Social Computing*
- Reviewer, *ACM Computing Surveys*
- Workshop reviewing: *RecSys in HR @ RecSys 2024*, *FACCTRec @ RecSys 2024*, *RecSoGood @ RecSys 2024*, *ROGEN @ RecSys 2024*, and *EXUM @ UMAP 2024*

2023

- Program committee, *ECIR 2024* (technical program, short papers, IR for Good, tutorials)
- Senior program committee, *ACM RecSys 2023* technical program
- Program committee, *ACM RecSys 2023* Reproducibility
- Senior program committee, *SIGIR Asia-Pacific 2023* technical program
- Best Paper committee, *ACM SIGIR 2023* technical program
- Best Paper committee, *TheWebConf 2023* technical program
- Program committee, *ACM SIGIR 2023* technical program
- Track chair, *UMAP 2023* Responsibility, Compliance, and Ethics
- Area chair, *ACM FACCT 2023* technical program
- Reviewer, *ACM Transactions on Recommender Systems* (x9)
- Reviewer, *ACM Transactions on Information Systems* (x3)
- Reviewer, *ACM Transactions on Interactive Intelligent Systems* (x3)
- Reviewer, *ACM Computing Surveys* (x3)
- Reviewer, *ACM Transactions on Social Computing*
- Reviewer, *ACM Journal of Responsible Computing*
- Reviewer, *Information Retrieval Journal*
- Workshop reviewing: *RecSys4HR at RecSys* and *PERSPECTIVES at RecSys*

2022

- Reviewer, *ACM Transactions on Recommender Systems* (x2)
- Reviewer, *ACM Computing Surveys* (x2)
- Reviewer, *ACM Transactions on Intelligent Systems and Technology*
- Reviewer, *Information Retrieval Journal*
- Reviewer, *Journal of Librarianship & Information Science*
- Reviewer, *ACM Transactions on Interactive Intelligent Systems*
- Reviewer, *User Modeling and User-Adapted Interaction*

2021

- Track Chair, *UMAP 2021* technical program
- Program committee, *ACM SIGIR 2021* (technical program, Perspectives, short papers, resource track)
- Senior program committee, *ACM RecSys 2021* technical program
- Program committee, *ACM RecSys 2021* Reproducibility
- Program committee, *ACM CIKM 2021* resource track
- Program committee, *ACM WSDM 2021* technical program
- Ethics reviewer, *NeurIPS 2021* technical program
- Reviewer, *User Modeling and User-Adapted Interaction* (x2)
- Reviewer, *ACM Computing Surveys*
- Reviewer, *ACM Transactions on Interactive Intelligent Systems* (x2)

- Reviewer, *ACM Transactions on Information Systems* (x2)
- Reviewer, *ACM/IMS Transactions on Data Science*
- Reviewer, *ACM Transactions on Computer-Human Interaction*
- Workshop reviewing: *BIAS 2021 at ECML-PKDD*, *BIAS 2021 at ECIR*, *ExUM at UMAP*, *RecSysHR at RecSys*, *IntRS at RecSys*, and *Perspectives at RecSys*
- Guest editor, 2021 special issue of *User Modeling and User-Adapted Interaction* (UMUAI) on fairness in user modeling.

2020

- Program committee, *ACM SIGIR 2020* technical program
- Program committee, *UMAP 2020* technical program
- Senior program committee, *ACM RecSys 2020* technical program
- Program committee, *ACM CIKM 2020* resource track
- Program committee, *ACM RecSys 2020* LBR
- Program committee, *ACM WSDM 2020* technical program
- Program committee, *ACM FAccT 2021* technical program
- Senior program committee, *TheWebConf 2021* User Modeling, Behavior, & Personalization
- Reviewer, *ACM Transactions on Computer-Human Interaction*
- Reviewer, *ACM Transactions on Interactive Intelligent Systems* (x3)
- Reviewer, *ACM Transactions on Information Systems* (x2)
- Reviewer, *User Modeling and User-Adapted Interaction* (x2)
- Additional reviews for *UIST*, *CSCW*, and *CHI*
- Workshop reviewing: *ExSS-ATEC at UII*, *Bias at ECIR*, *ExUM at UMAP*, *BIAS at ECMLPKDD*, *ImpactRS*, and *IntRS*

2019

- Senior program committee, *ACM RecSys 2019* technical program
- Program committee, *ACM RecSys 2019* LBR
- Program committee, *CHI 2019* Posters
- Program committee, *UMAP 2019* technical program
- Program committee, *ACM FAccT 2020* technical program
- Program committee, *TheWebConf 2020* User Modeling, Behavior, & Personalization
- Reviewer, *User Modeling and User-Adapted Interaction*
- Reviewer, *ACM Transactions on Interactive Intelligent Systems*
- Reviewer, *Communications of the ACM*
- Additional reviews for *FAccT* (tutorials), *CSCW*, and *CHI*
- Workshop reviewing: *HUMANIZE*, *Handling Web Bias @ WWW 2019*, *ATEC @ UII 2019*, *IntRS @ RecSys 2019*, and *ImpactRS @ RecSys 2019*

2018

- Program committee, *ACM FAccT 2019* technical program
- Program committee, *TheWebConf 2019* User Modeling, Behavior, & Personalization
- Program committee, *UMAP 2018* technical program
- Reviewer, *ACM Transactions on Interactive Intelligent Systems*
- Reviewer, *ACM Transactions on the Web*
- Reviewer, *IEEE Transactions on Knowledge and Data Engineering*
- Reviewer, *Communications of the ACM*

- ▶ Workshop reviewing: *HealthRecSys* and *KidRec*

2017

- ▶ **Area chair**, *ACM FAccT 2018* technical program
- ▶ **Program committee**, *FLAIRS 2017* Special Track on Recommender Systems
- ▶ **Program committee**, *TheWebConf 2018* User Modeling, Behavior, & Personalization
- ▶ **Program committee**, *ACM RecSys 2017* (technical program, Posters)
- ▶ **Reviewer**, *Interacting with Computers*
- ▶ Additional reviews for *UIST*
- ▶ Workshop reviewing: *IntRS at RecSys*, *KidRec at RecSys*, *FATML at KDD*, *EnCHires*, and *SOAP at UMAP*

2016

- ▶ **Program committee**, *FLAIRS 2016* Special Track on Recommender Systems
- ▶ **Program committee**, *TheWebConf 2017* User Modeling, Behavior, & Personalization
- ▶ **Program committee**, *ACM SAC 2016* Recommender Systems
- ▶ **Program committee**, *ACM RecSys 2016* (Posters, technical program)
- ▶ **Reviewer**, *Artificial Intelligence Review*
- ▶ **Reviewer**, *ACM Transactions on Interactive Intelligent Systems*
- ▶ **Reviewer**, *International Journal of Artificial Intelligence Tools*
- ▶ **Reviewer**, *PLOS ONE*
- ▶ **Reviewer**, *JMLR Open Source*
- ▶ **Reviewer**, *IBM Journal of Research and Development*
- ▶ Additional reviews for *IUI*, *CSCW*, *CHI*, *CHI* (Late-Breaking Work), *ICSOC*, and *UIST*
- ▶ Workshop reviewing: *LSRS at RecSys*

2015

- ▶ **Program committee**, *ACM RecSys 2015* technical program
- ▶ **Program committee**, *FLAIRS 2016* Special Track on Recommender Systems
- ▶ **Program committee**, *TheWebConf 2016* Behavior Analysis and Recommendation
- ▶ **Reviewer**, *ACM Transactions on Intelligent Systems and Technology*
- ▶ **Reviewer**, *User Modeling and User-Adapted Interaction*
- ▶ **Reviewer**, *PeerJ Computer Science*
- ▶ **Reviewer**, *ACM Computing Surveys*
- ▶ **Reviewer**, *Information Retrieval Journal*
- ▶ Additional reviews for *CHI*
- ▶ Workshop reviewing: *Social Personalization and Search at SIGIR*

2014

- ▶ **Program committee**, *ACM RecSys 2014* technical program
- ▶ **Program committee**, *FLAIRS 2015* Special Track on Recommender Systems
- ▶ **Reviewer**, *ACM Transactions on Intelligent Systems and Technology*
- ▶ **Reviewer**, *IEEE Transactions on Dependable and Secure Computing*
- ▶ Additional reviews for *CHI* and *CSCW*

2013

- ▶ **Reviewer**, *IEEE Transactions on Knowledge and Data Engineering*
- ▶ **Reviewer**, *ACM Transactions on the Web*

2012

- **Program committee**, *ACM SAC 2013* Recommender Systems
- **Reviewer**, *Advances in AI*
- **Reviewer**, *Information Retrieval*
- Additional reviews for *UIST* and *CHI* (Work in Progress)

OTHER PROFESSIONAL SERVICE

- **Co-organizer**, *Justice, Emancipation, Democracy, and Information Access (JEDI) workshop at SIGIR 2026*
- **Reproducibility co-chair**, *ACM RecSys 2026*
- **Track co-organizer**, *Product Search and Recommendation track at TREC 2025*
- **Doctoral symposium co-chair**, *ACM RecSys 2025*
- **Founder and co-organizer**, *FACCTRec Workshop on Responsible Recommendation at RecSys 2017–2018, 2020–2021, 2023–2025*
- **Co-organizer**, *AltRecSys Workshop on Alternative, Unexpected, and Critical Ideas in Recommendation at RecSys 2024*
- **Participant**, *Dagstuhl Seminar 24211: Evaluation Perspectives of Recommender Systems: Driving Research and Education* (2024)
- **Co-author and signatory**, *FACCT Statement on AI Harms and Policy* (2023); covered by *VentureBeat* and *The Hill* (op-ed)
- **Co-organizer**, *CRAFT panel “Theories of Change in Responsible AI” at FACCT 2023*
- **Ph.D. symposium mentor**, *CIKM 2023*
- **Co-organizer**, *TREC Track on Fairness in Information Retrieval* (2019–2022)
- **Co-organizer**, *SimuRec Workshop on Simulation and Synthetic Data for Recommender Systems at RecSys 2021*
- **Sponsorship co-chair**, *ACM FACCT 2021–2022*
- **Doctoral symposium co-chair**, *ACM RecSys 2022*
- **Co-organizer**, *FairUMAP workshop at UMAP 2018–2020*
- Organized and moderated panel at *RecSys 2019* on responsible recommendation
- **PR & Publicity co-chair**, *2nd Conference on Fairness, Accountability, and Transparency (ACM FAT* 2019)*
- **Co-organizer**, *Workshop on Fairness, Accountability, Confidentiality, Transparency, and Safety in Information Retrieval (FACTS-IR) at SIGIR 2019*
- **Publications working group**, *FACCT steering committee* (2017)
- **Participant**, *Dagstuhl Perspectives Workshop 17442: Towards Cross-Domain Performance Modeling and Prediction: IR/RecSys/NLP* (2017)
- **Publicity co-chair**, *ACM RecSys 2016*
- **External advisor**, *CrowdRec (EU Framework Programme collaborative research project, 2014–2016)*
- **Proceedings co-chair**, *ACM CHI 2012–2013*
- **Demos co-chair**, *ACM RecSys 2012*

DEPARTMENT AND UNIVERSITY SERVICE

- *Drexel IS Ph.D. committee* (2023–2025)
- *Drexel MSDS Working Group* (2024–2025)
- *Drexel IS 2023–2024 Faculty Search Committee*
- *Boise State 2020–2021 CS Faculty Search Committee*

- Boise State COEN SAGE Scholars Program Mentor (2019–2021)
- Boise State College of Engineering Curriculum Committee (2019–2022)
- Boise State Ph.D. in Computing Steering Committee (2017–2022)
- Boise State CS Dept. Curriculum Committee (2017–2022)
- Boise State CS Dept. Graduate Recruiting Committee (2017)
- Texas State CS Dept. Undergraduate Committee (2014–2016)
- Texas State CS Dept. Written Comp Exam Grading (2014–2016)
- UMN CS Graduate Student Association secretary (2009–2010)

COMMUNITY AND CIVIC SERVICE

- Jan 2023 Joined amicus brief before SCOTUS on *Gonzalez v. Google*.
- Jul 2020 Taught continuing education session for Idaho Council for Libraries.
- Oct 2019 Presented at Idaho Library Association Annual Conference.
- Feb 2019 Addressed Idaho State House Judiciary Committee on H.B. 118, regulating pretrial risk assessment algorithms; through subsequent engagement, I contributed language that is in the final enacted legislation.
- Dec 2017 Boise Public Library panel on preparing for a career in computer science.
- May 2015 Judge for Travis Elementary School Science Fair.

🔗 MEDIA MENTIONS 🔗

- Jul 2024 “FACT FOCUS: Google autocomplete results around Trump lead to claims of election interference”. (Melissa Goldin, AP, July 30, 2024, <https://apnews.com/article/fact-check-misinformation-google-autocomplete-trump-b31855c23eb6e387dc324983ea4859bc>).
- Mar 2024 “Getting to know you: This is what chatGPT says Philly is famous for”. (Vicky Diaz-Camacho, *Billy Penn* at WHYY, March 11, 2024. <https://billypenn.com/2024/03/11/chatgpt-artificial-intelligence-philadelphia-known-for-cheesesteaks/>).
- Dec 2022 “The Deadline Dilemma”. (Carolyn Kuimelis, *Teaching* newsletter from *Chronicle of Higher Education*, December 1, 2022. <https://www.chronicle.com/newsletter/teaching/2022-12-01>).
- May 2022 “Out of the Blue”. (Ravi Shankar, *The New Indian Express*, May 1, 2022. <https://www.newindianexpress.com/opinions/columns/ravi-shankar/2022/may/01/outof-theblue-2447591.html>). Quotes from Washington Post article below.
- Apr 2022 “Elon Musk wants Twitter’s algorithm to be public. It’s not that simple.” (Reed Albergotti, *The Washington Post*, April 16, 2022. <https://www.washingtonpost.com/technology/2022/04/16/elon-musk-twitter-algorithm/>).
- Apr 2021 Quoted at length about how artificial intelligence learns from social signals in “Can AI be horny?” (Chris Stokel-Walker, *Input*, April 28, 2021; Bustle Digital Group. <https://www.inputmag.com/culture/artificial-intelligence-ai-archillect-twitter-horny-sex>).
- Mar 2021 Quoted in several articles about FAcCT suspending Google’s sponsorship for the 2021 conference, in my role as FAcCT Sponsor Co-chair and a member of the Executive Committee. These articles include:

- “AI ethics research conference suspends Google sponsorship.” (Khari Johnson, *VentureBeat*, March 2, 2021. <https://venturebeat.com/2021/03/02/ai-ethics-research-conference-suspends-google-sponsorship/>)
 - “Conference suspends Google sponsorship after ethics experts’ exit.” (D. Matthews, *Times Higher Education*, March 8, 2021. <https://www.timeshighereducation.com/news/conference-suspends-google-sponsorship-after-ethics-experts-exit>)
 - “Tech transparency conference suspends Google sponsorship over transparency concerns.” (Colleen Flaherty, *Inside Higher Ed*, March 9, 2021. <https://www.insidehighered.com/news/2021/03/09/tech-transparency-conference-suspends-google-sponsorship-over-transparency-concerns>)
 - “Google offered a professor \$60,000, but he turned it down. Here’s why.” (Rachel Metz, *CNN Business*, March 24, 2021. <https://www.cnn.com/2021/03/24/tech/google-ai-ethics-reputation/index.html>). I am not the professor who declined funding, but am quoted for context.
 - “How one employee’s exit shook Google and the AI industry.” (Rachel Metz, *CNN Business*, March 11, 2021. <https://www.cnn.com/2021/03/11/tech/google-ai-ethics-future/index.html>).
- Jun 2016 Quoted about voter file data leaks in “D.C. makes it shockingly easy to snoop on your fellow voters.” (Brian Fung, *The Switch* [a blog by *The Washington Post*], June 14, 2016. <https://www.washingtonpost.com/news/the-switch/wp/2016/06/14/d-c-s-board-of-elections-makes-it-shockingly-easy-to-snoop-on-your-fellow-voters/>)
- Nov 2014 Quoted about recommender systems principles in “TV seems to know what you want to see; algorithms at work.” (Scott Collins, *Los Angeles Times*, November 21, 2014. <https://www.latimes.com/entertainment/tv/la-et-st-tv-section-algorithm-20141123-story.html>)