

Michael D. Ekstrand, Ph.D

CURRICULUM VITAE

Dept. of Information Science
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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**
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, 2011 *Teaching Assistant*, Dept. of Computer Science, **University of Minnesota**
2005–2007 *Undergrad RA*, Scalable Computing Laboratory, **Iowa State University**

✧ STUDENTS ✧

PH.D. GRADUATES

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

M.S. GRADUATES

- ▶ **Srabanti Guha** (M.S. 2023; project: *Explaining Misallocated Exposure across Multiple Rankings*)
- ▶ **Carlos Segura Cerna** (M.S. 2020; project: *Recommendation Server for LensKit*)
- ▶ **Mucun Tian** (M.S. 2019; 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

- 2023–2025: NSF 22-32553: *Collaborative Research: CCRI: New: A Research News Recommender Infrastructure with Live Users for Algorithm and Interface Experimentation* (\$1.4M; Drexel PI, my share \$150K; PI Joseph A. Konstan, UMN).
- 2018–2024: NSF 17-51278: *CAREER: User-Based Simulation Methods for Quantifying Sources of Error and Bias in Recommender Systems* (\$514,081; PI). Total includes REU supplements.

INTERNAL GRANTS

- 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 research grant) *Temporal Analysis of Recommender Systems* (\$8K; PI)

⌘ PUBLICATIONS ⌘

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

Citation counts from Google Scholar (total 5096, *h*-index 30).

JOURNAL ARTICLES // 9

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*

[◇] These publications have citations merged in Google Scholar; count is reported on the most most final version, such as the journal expansion of a conference article.

Recommender Systems **2**(3) (June 5th, 2024; online November 12th, 2023). DOI 10.1145/3632297. arXiv:2207.10192 [cs.IR].

Michael D. Ekstrand, Ben Carterette, and Fernando Diaz. **2024**. “Distributionally-Informed Recommender System Evaluation”. *Transactions on Recommender Systems* **2**(1) (March 7th, 2024; online August 4th, 2023), 6:1–27. DOI 10.1145/3613455. arXiv:2309.05892 [cs.IR]. NSF PAR 10461937.

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 11th, 2022), 1–177. DOI 10.1561/15000000079. arXiv:2105.05779 [cs.IR]. NSF PAR 10347630. Impact factor: 8.

Michael D. Ekstrand and Daniel Kluver. **2021**. “Exploring Author Gender in Book Rating and Recommendation”. *User Modeling and User-Adapted Interaction* **31**(3) (February 4th, 2021), 377–420. DOI 10.1007/s11257-020-09284-2. arXiv:1808.07586v2. NSF PAR 10218853. Impact factor: 4.412.

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 17th, 2020; online June 14th, 2020), 725–744. DOI 10.1108/AJIM-11-2019-0309. Impact factor: 1.903.

Michael D. Ekstrand and Michael Ludwig. **2016**. “Dependency Injection with Static Analysis and Context-Aware Policy”. *Journal of Object Technology* **15**(1) (February 1st, 2016), 1:1–31. DOI 10.5381/jot.2016.15.1.a1.

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 1st, 2015). DOI 10.1145/2728171. Impact factor: 1.293.

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 1st, 2011), 911–920. Acceptance rate: 18%.

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 1st, 2011), 81–173. DOI 10.1561/11000000009.

PEER-REVIEWED CONFERENCE PAPERS // 31

Christine Bauer, Andrés Ferraro, and **Michael D. Ekstrand**. **2024**. “It’s Not You, It’s Me: The Impact of Choice Models and Ranking Strategies on Gender Imbalance in Music Recommendation”. To appear as a short paper in *Proceedings of the 18th ACM Conference on Recommender Systems* (RecSys ’24). ACM. DOI 10.1145/3640457.3688163. arXiv:2409.03781 [cs.IR].

Ngazi Ithemelandu 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). *Lecture Notes in Computer Science* **14610**:449–457. DOI 10.1007/978-3-031-56063-7_37. NSF PAR 10497108. Acceptance rate: 24.3%.

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). *Lecture Notes in Computer Science* **14611**:314–335. DOI 10.1007/978-3-031-56066-8_25. NSF PAR 10497110. Acceptance rate: 35.9%.

[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). *Lecture Notes in Computer Science* **14612**:90–105. DOI 10.1007/978-3-031-56069-9_7. NSF PAR 10497109. Acceptance rate: 35.9%.

[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). pp. 88–94. DOI 10.1109/WI-IAT59888.2023.00018. arXiv:2309.11723 [cs.IR]. NSF PAR 10487293. Acceptance rate: 28%.

[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). DOI 10.1145/3539618.3592034. arXiv:2304.13129. NSF PAR 10423689. Acceptance rate: 25.1%.

[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). DOI 10.1145/3539618.3592004. arXiv:2305.02461. NSF PAR 10423691. Acceptance rate: 25.1%.

[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). DOI 10.1145/3576840.3578316. arXiv:2301.04780. NSF PAR 10423693. Acceptance rate: 39.4%.

[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). pp. 726–736. DOI 10.1145/3477495.3532018. NSF PAR 10329880. Acceptance rate: 20%.

[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). ACM. DOI 10.1145/3450613.3456829. arXiv:2104.11847 [cs.SI]. NSF PAR 10223377. Acceptance rate: 23%.

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). ACM. DOI 10.1145/3442381.3450080. arXiv: 2108.05152. NSF PAR 10237411. Acceptance rate: 21%.

[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). ACM, pp. 2999–3006. DOI 10.1145/3340531.3412778. arXiv:1809.03125 [cs.IR]. NSF PAR 10199450. No acceptance rate reported.

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). ACM, pp. 275–284. DOI 10.1145/3340531.3411962. arXiv:2004.13157 [cs.IR]. NSF PAR 10199451. Acceptance rate: 20%. Nominated for Best Long Paper.

[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). ACM, pp. 5. DOI 10.1145/3343413.3378004. arXiv:2001.09455 [cs.IR]. NSF PAR 10146883. Acceptance rate: 47%.

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). ACM, pp. 242–250. DOI 10.1145/3240323.3240373. arXiv:1808.07586v1 [cs.IR]. Acceptance rate: 17.5%.

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). PMLR, *Proceedings of Machine Learning Research* 81:35–47. Acceptance rate: 24%.

Michael D. Ekstrand[†], [Mucun Tian](#), [Jon 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). PMLR, *Proceedings of Machine Learning Research* 81:172–186. Acceptance rate: 24%.

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). AAAI, pp. 639–644. No acceptance rate reported.

[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). AAAI, pp. 657–660. No acceptance rate reported.

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). ACM. DOI 10.1145/2959100.2959179. Acceptance rate: 36%.

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). ACM. DOI 10.1145/2792838.2800195. Acceptance rate: 21%.

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). ACM. DOI 10.1145/2645710.2645737. Acceptance rate: 23%.

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* (S '14). ACM. DOI 10.1145/2556325.2566244. Acceptance rate: 37%.

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). ACM. DOI 10.1145/2507157.2507188. Acceptance rate: 24%.

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). ACM, pp. 233–236. DOI 10.1145/2365952.2366002. Acceptance rate: 32%.

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. Acceptance rate: 20%.

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). ACM, pp. 86–96. DOI 10.1145/2247596.2247608. Acceptance rate: 23%.

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, pp. 133–140. DOI 10.1145/2043932.2043958. Acceptance rate: 27% (20% for oral presentation, which this received).

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, pp. 195–204. DOI 10.1145/2047196.2047220. Acceptance rate: 25%.

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). ACM, pp. 159–166. DOI 10.1145/1864708.1864740. Acceptance rate: 19%.

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). ACM, pp. 10. DOI 10.1145/1641309.1641317. Acceptance rate: 36%. Selected as Best Paper.

BOOK CHAPTERS // 2

Michael D. Ekstrand, Anubrata Das, Robin Burke, and Fernando Diaz. **2022**. “[Fairness in Recommender Systems](#)”. fields.status == “forthcoming” ? “To appear in” : “In”, *Recommender Systems Handbook* (3rd edition), “.”, Francesco Ricci, Lior Roach, and Bracha Shapira, eds. Springer-Verlag. DOI 10.1007/978-1-0716-2197-4_18. ISBN 978-1-0716-2196-7.

Daniel Kluver, **Michael D. Ekstrand**, and Joseph A. Konstan. **2018**. “[Rating-Based Collaborative Filtering: Algorithms and Evaluation](#)”. fields.status == “forthcoming” ? “To appear in” : “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. ISBN 978-3-319-90091-9.

INVITED TALKS

- May 2024: Overview talk at Dagstuhl Seminar 24211

- May 2024: Seminar at Delft University of Technology (Delft, NL)
- Mar. 2024: Keynote at IR4U2 workshop at ECIR 2024
- Feb. 2024: Seminar at University of Colorado at Boulder
- Oct. 2023: Virtual seminar at the University of Glasgow
- May 2023: Invited talk at ICA post-conference panel
- Mar. 2023: Seminar at the University of Texas at Austin HCI group
- Jan. 2023: Seminar at the University of Washington RAISE group
- Nov. 2022: Keynote at IBIS2022 (Information-Based Inductive Systems and Machine Learning) workshop (Tsukuba, Japan)
- Nov. 2022: Seminar at Waseda University (Japan)
- Oct. 2022: Keynote 'Do You Want To Hunt A Kraken? Mapping and Expanding Recommendation Fairness' at EvalRS workshop on rounded evaluation of recommender systems at CIKM 2022
- Sep. 2022: Guest lecture on IR fairness and test collections for University of Maine IR course
- Mar. 2022: 'You Might Also Think This Is Unfair' seminar at University of Michigan School of Information (online)
- Nov. 2021: 'Information Systems for Human Flourishing' seminar at Vector Institute, Toronto, Canada (online)
- Oct. 2020: Guest lecture on recommender systems and fairness for Carnegie Mellon University Human-AI Interaction course
- Apr. 2020: Guest lecture on recommender systems and fairness for Emory University recommender systems course
- Mar. 2020: 'User, Agent, Subject, Spy' seminar at Boise State University Ph.D in Computing Colloquium
- Oct. 2019: 'Online Recommendation: What? Where? Why? How?' session at the Idaho Library Association 2019 Conference
- Aug. 2019: 'User, Agent, Subject, Spy' seminar at Microsoft Research Montréal
- Jul. 2019: 'User, Agent, Subject, Spy' seminar at Criteo AI Labs, Paris, France
- May 2019: 'Recommendations, Decisions, Feedback Loops, and Maybe Saving the Planet' at the CRA CCC Visioning Workshop on Economics and Fairness.
- Dec. 2018: 'User, Agent, Subject, Spy' seminar at Clemson University
- Nov. 2018: 'User, Agent, Subject, Spy' seminar at Carnegie Mellon University Human-Computer Interaction Institute
- Nov. 2018: Guest lecture on recommender systems for Carnegie Mellon University Human-AI Interaction course
- Nov. 2017: 'Making Information Systems Good for People' at Whitman College (Walla Walla, WA)
- Jun. 2017: 'Recommending for People' seminar at RecSysNL at TU Delft
- Jun. 2017: 'Recommending for People' seminar at Jheronimus Academy of Data Science
- Jun. 2017: 'Recommending for People' seminar at UCL Mons
- Jun. 2017: 'Responsible Recommendation' at the Brussels Big Data and Ethics Meetup, the inaugural event of the DigitYser Big Data community
- Nov. 2016: 'Recommending for People' colloquium at the University at Albany Dept. of Computer Science
- Oct. 2016: 'Introduction to Recommender Systems' at the Clearwater Developer Conference
- Sep. 2015: 'Challenges in Scaling Recommender Systems Research' at the Workshop on Large-Scale Recommender Systems at RecSys '15 in Vienna, Austria
- Sep. 2015: 'Levelling Up your Academic Career' at the Doctoral Symposium at RecSys '15 in Vienna, Austria

- Sep. 2012: ‘Flexible Recommender Experiments with LensKit’ at the RecSys Challenge Workshop at RecSys ’12 in Dublin, Ireland
- Sep. 2012: ‘The MovieLens Data Set’ at the RecSys Challenge Workshop at RecSys ’12 in Dublin, Ireland

↻ TEACHING ↻

DREXEL UNIVERSITY

- DSCI 641 (Recommender Systems for Data Science)
- INFO 659 (Intro to Data Analytics)

BOISE STATE UNIVERSITY

- CS 410/510 (Databases)
- CS 533 (Intro to Data Science)
- CS 538 (Recommender Systems)
- CS 697 (Special Topics: Equity and Discrimination in Computing Systems)

TEXAS STATE UNIVERSITY

- CS 4332 (Intro to Database Systems)
- CS 3320 (Internet Software Development)
- CS 5369Q/4379Q (Recommender Systems)
- CS 4350 (Unix Systems Programming)

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

- Instructor for CS 5980-1 (Intro to Recommender Systems)
- Summer instructor for CS 1902 (Structure of Computer Programming II)
- TA for CSCI 5125 (Collaborative and Social Computing) and CSCI 1902

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

- [Associate editor](#), *ACM Transactions on Recommender Systems* (2024–)
- [Editorial board](#), *Foundations and Trends in Information Retrieval* (2023–)
- [Co-chair](#), *FAccT Network*, 2019–
- [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–present)

PAST SERVICE HIGHLIGHTS

- **Executive committee**, *ACM Conference on Fairness, Accountability, and Transparency* (FAccT), 2020–2023
- **Program co-chair**, *16th ACM Conference on Recommender Systems* (RecSys 2022)
- **General co-chair**, *12th ACM Conference on Recommender Systems* (RecSys 2018)

PROGRAM COMMITTEE AND EDITORIAL SERVICE

- *ACM CIKM* main program (PC 2024), resource track (PC 2020–2021)
- *ACM RecSys* main program (SPC 2019–2021, 2023–2024; PC 2014–2017), Reproducibility (PC 2021, 2023), LBR (PC 2019–2020), Posters (PC 2016–2017)
- *ACM FAccT* (AC 2018, 2023–2024; PC 2019–2021)
- *ACM SIGIR* main program (AC 2024; PC 2020–2021, 2023), Perspectives (PC 2021), short papers (PC 2021), resource track (PC 2021)
- *ECIR* main program (PC 2024), short papers (PC 2024), IR for Good (PC 2024), tutorials (PC 2024)
- **Best paper committee**, *ACM SIGIR 2023*
- *SIGIR Asia-Pacific* (SPC 2023)
- **Best paper committee**, *TheWebConf 2023*
- **Track chair**, *UMAP 2023* (Responsibility, Compliance, and Ethics)
- **Guest editor**, 2021 special issue of *User Modeling and User-Adapted Interaction* (UMUAI) on fairness in user modeling.
- *TheWebConf* User Modeling, Behavior, & Personalization (SPC 2021; PC 2016, 2018–2020), Behavior Analysis and Recommendation (PC 2016)
- **Track Chair**, *UMAP 2021*
- *ACM WSDM* (PC 2020–2021)
- **Ethics reviewer**, *NeurIPS 2021*
- *UMAP* (PC 2018–2020)
- *CHI* Posters (PC 2019)
- *FLAIRS* Special Track on Recommender Systems (PC 2015–2017)
- *ACM SAC* Recommender Systems (PC 2013, 2016)
- *NeurIPS*
- Additional conference reviews for *CHI* (2012, 2015–2017, 2019–2020), *CSCW* (2014, 2017, 2019–2020), *FAccT* (2020), *ICSOC* (2016), *IUI* (2016), and *UIST* (2012, 2016–2017, 2020).
- Journal reviews for *Advances in AI*, *Artificial Intelligence Review*, *CACM*, *CSUR*, *IBM Journal of Research and Development*, *INRT*, *Information Retrieval Journal*, *Interacting with Computers*, *International Journal of Artificial Intelligence Tools*, *JMLR Open Source*, *JRC*, *Journal of Librarianship & Information Science*, *PLOS ONE*, *PeerJ Computer Science*, *TDS*, *TDSC*, *TIST*, *TKDE*, *TOCHI*, *TOIS*, *TORS*, *TSC*, *TWEB*, *TiiS*, and *UMUAI*.
- Reviewer for numerous workshops at *RecSys*, *UMAP*, and elsewhere.

OTHER PROFESSIONAL SERVICE

- **Founder and co-organizer**, *FATREC Workshop on Responsible Recommendation* at RecSys 2017–2018, 2020–2021, 2023–2024
- **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)

- ▶ **Steering committee**, *ACM Conference on Fairness, Accountability, and Transparency (FAccT)*, 2017–2023 (inaugural member)
- ▶ **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 2023–2024 Faculty Search Committee
- ▶ Drexel IS Ph.D. committee (2023–2024)
- ▶ 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

- ▶ January 2023 — joined amicus brief before SCOTUS on *Gonzalez v. Google*.
- ▶ July 2020 — taught continuing education session for Idaho Council for Libraries.
- ▶ October 2019 — presented at Idaho Library Association Annual Conference.
- ▶ February 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.
- ▶ December 2017 — Boise Public Library panel on preparing for a career in computer science.
- ▶ 2015 — Judge for Travis Elementary School Science Fair.