

Michael D. Ekstrand, Ph.D

CURRICULUM VITAE

People and Information Research Team (PIReT)
Dept. of Computer Science
Boise State University
1910 University Drive
Boise, ID 83725-2055

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

EDUCATION

Ph.D (2014) Computer Science, University of Minnesota. Thesis: *Towards Recommender Engineering: Tools and Experiments for Identifying Recommender Differences*.
Advisers: John T. Riedl and Joseph A. Konstan
B.S. (2007) Computer Engineering (With Distinction), Iowa State University.

EMPLOYMENT HISTORY

2016–present Assistant Professor, Dept. of Computer Science, Boise State University
Co-founder, People and Information Research Team (PIReT)
2014–2016 Assistant Professor, Dept. of Computer Science, Texas State University
2008–2014 Graduate Research Assistant, GroupLens Research, Dept. of Computer Science, University of Minnesota
Su 2012, F 2013 Instructor, University of Minnesota
Summer 2010 Research Intern, Autodesk Research, Toronto, CA
2007–2008, S 2011 Teaching Assistant, University of Minnesota
2005–2007 Undergraduate Research Assistant, Scalable Computing Laboratory, Ames Lab, Iowa State University

TEACHING HISTORY

Boise State University

Term	Course	Title	Students
F18	CS 410/510	<i>Databases</i>	40
SU18	CS 310-HU	<i>Intro to Databases</i>	6
S18	CS 410/510	<i>Databases</i>	22
F17	CS 533	<i>Intro to Data Science</i>	22
S17	CS 597	<i>Recommender Systems</i>	13
F16	CS 410/510	<i>Databases</i>	28

Texas State University

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

Coursera

I co-created the Recommender Systems specialization on Coursera, along with its two previous single-class versions, with Joseph A. Konstan.

University of Minnesota

Term	Course	Title	Role
F13	CSCI 5980-1	<i>Intro to Recommender Systems</i>	Inst
S12	CSCI 1902	<i>Structure of Computer Programming II</i>	Inst
S11	CSCI 5125	<i>Collaborative and Social Computing (TA)</i>	TA
SU08	CSCI 1902	<i>Structure of Computer Programming II</i>	TA
SO8	CSCI 1902	<i>Structure of Computer Programming II</i>	TA
FO7	CSCI 1902	<i>Structure of Computer Programming II</i>	TA

Ph.D Students

- Amifa Raj (started Fall 2018)

M.S. Students

- Mucun Tian (M.S. expected 2019)
- 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*)

Teaching Professional Development

- 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.

PUBLICATIONS

Author formatting key: **myself**, **advised student**, **other Boise State student**. Citation counts from Microsoft Academic via Microsoft Cognitive Services.

Book Chapters

- B1 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. 10100pp. 344–390. ISBN 978-3-319-90091-9. DOI 10.1007/978-3-319-90092-6_10. Cited 8 times.

Journal Publications

- J1 **Michael D. Ekstrand** and Michael Ludwig. 2016. Dependency Injection with Static Analysis and Context-Aware Policy. *Journal of Object Technology* 15(1) (February 2016), 1:1–31. DOI 10.5381/jot.2016.15.5.a1. Cited 1 times.
- J2 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). DOI 10.1145/2728171. Cited 13 times.
- J3 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), 911–920. Acceptance rate: 18%. Cited 6 times.

J4 **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), 81–173. DOI 10.1561/1100000009. Cited 749 times.

Conference Publications

These papers have been published in peer-reviewed conference proceedings.

- C1 **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. DOI 10.1145/3240323.3240373. arXiv:1808.07586v1 [cs.IR]. Acceptance rate: 17.5%.
- C2 **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)*. PMLR, *Proceedings of Machine Learning Research* 81:172–186. Acceptance rate: 24%. Cited 2 times.
- C3 **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* 81:172–186. Acceptance rate: 24%. Cited 1 times.
- C4 **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*. AAAI, pp. 639–644.
- C5 [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*. AAAI, pp. 657–660. Cited 1 times.
- C6 **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%. Cited 30 times.
- C7 **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%. Cited 88 times.
- C8 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)*. ACM. DOI 10.1145/2556325.2566244. Acceptance rate: 37%. Cited 23 times.
- C9 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%. Cited 25 times.
- C10 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%. Cited 17 times.
- C11 **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%. Cited 27 times.

- C12 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%. Cited 9 times.
- C13 **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). Cited 157 times.
- C14 **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%. Cited 25 times.
- C15 **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%. Cited 73 times.
- C16 **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, 10 pp. DOI 10.1145/1641309.1641317. Acceptance rate: 36% (Selected as Best Paper). Cited 23 times.

Workshops, Seminars, Posters, Etc.

These papers have undergone some form of peer review, and are published in workshops, poster proceedings, and similar venues.

- W1 **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.
- W2 **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 REVEAL 2018 Workshop on Offline Evaluation for Recommender Systems, a workshop at RecSys 2018. DOI 10.18122/cs_facpubs/148/boisestate. NSF PAR 10074452.
- W3 **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 REVEAL 2018 Workshop on Offline Evaluation for Recommender Systems, a workshop at RecSys 2018. DOI 10.18122/cs_facpubs/147/boisestate. arXiv:1809.03125 [cs.IR].
- W4 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. DOI 10.18122/cs_facpubs/140/boisestate.
- W5 **Rezvan Joshaghani**, **Michael D. Ekstrand**, Bart Knijnenburg, and Hoda Mehrpouyan. 2018. Do Different Groups Have Comparable Privacy Tradeoffs?. At *Moving Beyond a 'One-Size Fits All' Approach: Exploring Individual Differences in Privacy*, a workshop at CHI 2018.
- W6 **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*. CEUR, Workshop Proceedings 1905.
- W7 **Michael D. Ekstrand**. 2017. Challenges in Evaluating Recommendations for Children. In *Proceedings of the International Workshop on Children & Recommender Systems (KidRec)*, at RecSys 2017.

- W8 **Michael D. Ekstrand** and Martijn C. Willemsen. 2016. Behaviorism is Not Enough: Better Recommendations through Listening to Users. In *Proceedings of the Tenth ACM Conference on Recommender Systems (RecSys '16)*. ACM. DOI 10.1145/2959100.2959179. Acceptance rate: 36% (Past, Present, and Future track). Cited 10 times.
- W9 **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*. Cited 4 times.
- W10 **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.

Other Publications and Presentations

- O1 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), 96–139. DOI 10.4230/DagMan.7.1.96.
- O2 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*.
- O3 Toshihiro Kamishima, Pierre-Nicolas Schwab, and **Michael D. Ekstrand**. 2018. 2nd FATREC Workshop: Responsible Recommendation. In *Proceedings of the 12th ACM Conference on Recommender Systems (RecSys '18)*. ACM. DOI 10.1145/3240323.3240335.
- O4 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), 91–101. Cited 1 times.
- O5 **Michael D. Ekstrand** and Amit Sharma. 2017. The FATREC Workshop on Responsible Recommendation. In *Proceedings of the 11th ACM Conference on Recommender Systems (RecSys '17)*. ACM. DOI 10.1145/3109859.3109960. Cited 1 times.
- O6 **Michael D. Ekstrand**. 2014. *Towards Recommender Engineering: Tools and Experiments in Recommender Differences*. Ph.D thesis, University of Minnesota. HDL 11299/165307. Cited 2 times.
- O7 Martijn Willemsen, Dirk Bollen, and **Michael Ekstrand**. 2011. UCERSTI 2: Second Workshop on User-Centric Evaluation of Recommender Systems and Their Interfaces. In *Proceedings of the 5th ACM Conference on Recommender Systems (RecSys '11)*. ACM, pp. 395–396. DOI 10.1145/2043932.2044020. Cited 4 times.
- O8 **Michael D. Ekstrand**, Michael Ludwig, Jack Kolb, and John T. Riedl. 2011. LensKit: A Modular Recommender Framework. Demo recorded in *Proceedings of the 5th ACM Conference on Recommender Systems (RecSys '11)*. ACM, pp. 349–350. DOI 10.1145/2043932.2044001. Cited 18 times.

RESEARCH FUNDING

External Grants

- 2018–2023: NSF award CHS 17-51278, \$482,081: CAREER: User-Based Simulation Methods for Quantifying Sources of Error and Bias in Recommender Systems (PI)

Internal Grants

- 2017: \$19K Boise State College of Education Empathy Grant *LITERATE: Locating Informational Texts for Engaging Readers And Teaching Equitably* (co-PI; with PI Katherine Wright & co-PI Sole Pera)
- 2014: \$8K Texas State University Research Enhancement Program (competitive internal research grant) *Temporal Analysis of Recommender Systems* (PI)

INVITED TALKS

- December 7, 2018: 'User, Agent, Subject, Spy' seminar at Clemson University
- November 9, 2018: 'User, Agent, Subject, Spy' seminar at Carnegie Mellon University Human-Computer Interaction Institute
- November 16, 2017: 'Making Information Systems Good for People' at Whitman College (Walla Walla, WA)
- June 26, 2017: 'Recommending for People' seminar at RecSysNL at TU Delft
- June 20, 2017: 'Recommending for People' seminar at Jheronimus Academy of Data Science
- June 19, 2017: 'Recommending for People' seminar at UCL Mons
- June 15, 2017: 'Responsible Recommendation' at the Brussels Big Data and Ethics Meetup, the inaugural event of the DigitYser Big Data community
- November 21, 2016: 'Recommending for People' colloquium at the University at Albany Dept. of Computer Science
- October 27, 2016: 'Introduction to Recommender Systems' at the Clearwater Developer Conference
- September 20, 2015: 'Challenges in Scaling Recommender Systems Research' at the Workshop on Large-Scale Recommender Systems at RecSys '15 in Vienna, Austria
- September 19, 2015: 'Levelling Up your Academic Career' at the Doctoral Symposium at RecSys '15 in Vienna, Austria
- 2012: 'Flexible Recommender Experiments with LensKit' at the RecSys Challenge Workshop at RecSys '12 in Dublin, Ireland
- 2012: 'The MovieLens Data Set' (invited talk) at the RecSys Challenge Workshop at RecSys '12 in Dublin, Ireland

SOFTWARE

I have built several open-source software packages in the course of my research and other work. Open-source software distribution is a key piece of my research dissemination strategy. My more significant development efforts include:

- *LensKit*, a toolkit for building, researching, and studying recommender systems, used in many published papers. <http://lenskit.org>
- *GraphT*, a dependency injection framework for Java with novel configuration and static analysis capabilities. <http://grapht.groupLens.org>
- *Goanna* (now defunct), a graphical tool for visualizing InfiniBand networks and compute clusters. Written while at the Scalable Computing Laboratory.

SERVICE

Ongoing Professional Service and Memberships

- Steering committee, *ACM Conference on Recommender Systems* (RecSys), 2017–present
- Steering committee, *ACM Conference on Fairness, Accountability, and Transparency* (FAT*), 2017–present
- Distinguished Reviewer, *ACM Transactions on Interactive Intelligent Systems* (TiiS), 2017–present
- Member of the ACM (professional member 2014–present)

Professional Service

- Guest editor, 2020 special issue of *User Modeling and User-Adapted Interaction* on fairness in user modeling.
- Co-organizer, TREC 2019 Track on Fairness in Information Retrieval
- PR & Publicity Co-chair, *2nd Conference on Fairness, Accountability, and Transparency* (ACM FAT* 2018)

- General co-chair, ACM RecSys 2018
- Program committee, ACM WWW Track on Behavior Analysis and Personalization (2016—2018)
- Co-organizer, FATREC Workshop on Responsible Recommendation at RecSys 2017 & 2018
- Co-organizer, FairUMAP workshop at UMAP 2018
- Track co-chair, 2018 *Conference on Fairness, Accountability, and Transparency Systems* track
- Participant in Dagstuhl Perspectives Workshop *Towards Cross-Domain Performance Modeling and Prediction: IR/RecSys/NLP*
- Program committee, ACM RecSys (2014–2017) and poster session (2016)
- Program committee, FLAIRS Special Track on Recommender Systems (2015, 2016, 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
- Reviewer for numerous conferences and journals, including:
 - ACM conferences CHI (2015, 2013, 2016, 2017), CSCW (2015, 2017), IUI (2017), SAC Recommender Systems track (2013, 2017), UIST (2012, 2016, 2017), WikiSym (2012)
 - Workshops at ACM RecSys: IntRS (2016–2017), LSRS (2016), KidRec (2017)
 - FATML 2017
 - *International Journal of Artificial Intelligence Tools* (2016)
 - JMLR Open Source (2016)
 - *IBM Journal of Research and Development* (2016)
 - ICWSM 2012
 - ACM journals TIST, TOIS, TWEB, TKDD, and TIIS
 - IEEE journals TDSC, TKDE
 - *Interacting with Computers*
 - International Conference on Service-Oriented Computing (2016)
 - PLOS ONE (2016)
 - *User Modeling and User-Adapted Interaction*
 - *Information Retrieval Journal*
 - *ACM Computing Surveys* (2014, 2015)
 - *User Modeling*
 - *Artificial Intelligence Review* (Springer)
 - Hindawi journals *Advances in Multimedia*, *Advances in Artificial Intelligence*

Department and University Service

- Boise State Ph.D in Computing Steering Committee (Fall 2017)
- Boise State CS Dept. Curriculum Committee (2017–2018)
- 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 Service

- December 2017 — Boise Public Library panel on preparing for a career in computer science
- Judge, 2015 Travis Elementary School Science Fair