

Himabindu Lakkaraju

Contact Information	442 Morgan Hall 15 Harvard Way Boston, MA 02163 E-mail: hlakkaraju@hbs.edu ; hlakkaraju@seas.harvard.edu Webpage: http://himalakkaraju.github.io	
Research Interests	Transparency, Fairness, and Safety in Artificial Intelligence (AI); Applications of AI to Law, Healthcare, Public Policy, and Education; AI for Decision-Making.	
Academic & Professional Experience	Harvard University <i>Assistant Professor</i> with appointments in Business School and Department of Computer Science	01/2020 -
	Harvard University <i>Postdoctoral Fellow</i> at Harvard Business School and Department of Computer Science	11/2018 - 12/2019
	Stanford University <i>Research Assistant</i> in the Department of Computer Science	9/2012 - 9/2018
	Microsoft Research , Redmond <i>Visiting Researcher</i>	5/2017 - 6/2017
	Microsoft Research , Redmond <i>Research Intern</i>	6/2016 - 9/2016
	University of Chicago <i>Data Science for Social Good Fellow</i>	6/2014 - 8/2014
	IBM Research - India , Bangalore <i>Technical Staff Member</i>	7/2010 - 7/2012
	SAP Research , Bangalore <i>Visiting Researcher</i>	7/2009 - 3/2010
	Adobe Systems Pvt. Ltd. , Bangalore <i>Software Engineer</i>	7/2007 - 7/2008
Education	Stanford University Ph.D. in Computer Science Thesis: Enabling Machine Learning for High-Stakes Decision-Making	9/2012 - 9/2018
	Stanford University Master of Science (MS) in Computer Science	9/2012 - 9/2015
	Indian Institute of Science (IISc) Master of Engineering (MEng) in Computer Science & Automation Thesis: Exploring Topic Models for Understanding Sentiments Expressed in Customer Reviews	8/2008 - 7/2010
Selected Honors & Achievements	Amazon Research Award	2021
	National Science Foundation (NSF) Amazon Fairness in AI Grant	2021
	Google AI for Social Good Research Award	2021
	Google Research Award	2020
	Co-founded Trustworthy ML Initiative with the goal of enabling easy access to resources on trustworthy ML & to build a community of researchers/practitioners	2020

Hoopes Prize for undergraduate thesis mentoring, Harvard University	2020
Named as one of the 35 Innovators Under 35 by MIT Tech Review	2019
Named as one of the Innovators to Watch by Vanity Fair	2019
Selected for the prestigious Cowles Fellowship by Yale University (declined)	2018
INFORMS Data Mining Best Paper Award "Learning Cost-Effective and Interpretable Treatment Regimes"	2017
Microsoft Research Dissertation Grant	2017
Named as one of the Rising Stars in Computer Science	2016
Outstanding Reviewer Award International World Wide Web Conference (WWW)	2016
Google Anita Borg Fellowship in recognition of research and leadership	2015
Stanford Graduate Fellowship for exceptional academic performance	2013-17
Eminence and Excellence Award for outstanding contributions to research IBM Research	2012
Research Division Award recognizing research contributions IBM Research	2012
Best Paper Award , SIAM International Conference on Data Mining (SDM) "Exploiting Coherence for the Simultaneous Discovery of Latent Facets and associated Sentiments"	2011
SPOT Award for outstanding product contributions Adobe Systems Pvt. Ltd.	2009
All India Rank 32 (99.82%ile) Graduate Aptitude Test in Engineering (GATE) Entrance examination for IISc & IITs in Computer Science & Engineering	2008
University Rank 10 , Bachelor of Engineering, Computer Science Out of 8000 students from 175 colleges	2007

Grants & Fellowships

As Faculty

NSF-Amazon Fairness in AI (FAI) grant (US\$375,000) – co-PI	2021-24
Amazon Faculty Research Award (US\$70,000) – Sole PI	2021-2024
Google AI for Social Good Research Award (US\$10,000) – Sole PI	2021
Google Faculty Research Award (US\$600,000) – PI	2020-23
National Science Foundation (NSF) RI Small (US\$500,000) – Harvard PI	2020-23
HDSI & Bayer Trust in Science Award (US\$100,000) – Joint PI	2020-21

As Student

Microsoft Research Dissertation Grant (US\$20,000)	2017
Women in Machine Learning (WiML) Travel Grant for NIPS (US\$850)	2017
ICML Travel Grant (US\$1800)	2017
KDD Travel Grant (US\$1000 p.a.)	2014 - 2017
Stanford Graduate Fellowship (tuition + US\$41,700 p.a.)	2013 - 2017
NIPS Travel Grant (US\$1000)	2016
Google Anita Borg Scholarship (US\$10,000)	2015
Facebook Graduate Fellowship Finalist (US\$500)	2013
Indian Institute of Science Graduate Scholarship (tuition + Rs.96,000 p.a.)	2008 - 2010

SAP India Research Grant (Rs.150,000)
Undergraduate Merit scholarship (Rs.3000 p.a.)

2009 - 2010
2004 - 2007

Publications

Total Citations: 3145

Articles in peer-reviewed journals

- [37] Human Decisions and Machine Predictions
Jon Kleinberg, **Himabindu Lakkaraju**, Jure Leskovec, Jens Ludwig, Sendhil Mullainathan
[QJE - Quarterly Journal of Economics](#), 2018
(author names are ordered alphabetically)
Featured in MIT Technology Review, Harvard Business Review, The New York Times, and as Research Spotlight on National Bureau of Economics front page
- [36] Extracting Latent Personality Traits from Digital Footprints
Michal Kosinski, Yilun Wang, **Himabindu Lakkaraju**, Jure Leskovec
[Psychological Methods](#) - 2016

Articles in peer-reviewed conference proceedings

- [35] Towards Robust and Reliable Algorithmic Recourse
Sohini Upadhyay*, Shalmali Joshi*, **Himabindu Lakkaraju**
[NeurIPS - Advances in Neural Information Processing Systems \(NeurIPS\)](#), 2021.
Best Paper Runner Up, ICML Workshop on Algorithmic Recourse, 2021.
- [34] Reliable Post hoc Explanations: Modeling Uncertainty in Explainability
Dylan Slack, Sophie Hilgard, Sameer Singh, **Himabindu Lakkaraju**
[NeurIPS - Advances in Neural Information Processing Systems](#), 2021.
- [33] Counterfactual Explanations Can Be Manipulated
Dylan Slack, Sophie Hilgard, **Himabindu Lakkaraju**, Sameer Singh
[NeurIPS - Advances in Neural Information Processing Systems](#), 2021.
- [32] Learning Models for Algorithmic Recourse
Alexis Ross, **Himabindu Lakkaraju**, Osbert Bastani
[NeurIPS - Advances in Neural Information Processing Systems](#), 2021.
- [31] Towards the Unification and Robustness of Perturbation and Gradient Based Explanations
Sushant Agarwal, Shahin Jabbari, Chirag Agarwal*, Sohini Upadhyay*, Steven Wu, **Himabindu Lakkaraju**
[ICML - International Conference on Machine Learning](#), 2021.
- [30] Towards a Unified Framework for Fair and Stable Graph Representation Learning
Chirag Agarwal, **Himabindu Lakkaraju***, Marinka Zitnik*
[UAI - Conference on Uncertainty in Artificial Intelligence](#), 2021.
- [29] Does Fair Ranking Improve Minority Outcomes? Understanding the Interplay of Human and Algorithmic Biases in Online Hiring
Tom Suhr, Sophie Hilgard, **Himabindu Lakkaraju**
[AIES - AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society](#), 2021
- [28] Fair influence maximization: A welfare optimization approach
Aida Rahmattalabi, Shahin Jabbari, **Himabindu Lakkaraju**, Phebe Vayanos, Eric Rice, Milind Tambe
[AAAI - AAAI International Conference on Artificial Intelligence](#), 2021
- [27] Beyond Individualized Recourse: Interpretable and Interactive Summaries of Actionable Recourses
Kaivalya Rawal, **Himabindu Lakkaraju**
[NeurIPS - Advances in Neural Information Processing Systems](#), 2020

- [26] Incorporating Interpretable Output Constraints in Bayesian Neural Networks
Wanqian Yang, Lars Lorch, Moritz Gaule, **Himabindu Lakkaraju**, Finale Doshi-Velez
NeurIPS - Advances in Neural Information Processing Systems, 2020
- [25] Robust and Stable Black Box Explanations
Himabindu Lakkaraju, Nino Arsov, Osbert Bastani
ICML - International Conference on Machine Learning, 2020
Invited Talk at INFORMS Annual Meeting, 2020
- [24] How do I fool you?: Manipulating User Trust via Misleading Black Box Explanations
Himabindu Lakkaraju, Osbert Bastani
AIES - AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society, 2020
Invited Talk at INFORMS Annual Meeting, 2020
- [23] Fooling LIME and SHAP: Adversarial Attacks on Post hoc Explanation Methods
Dylan Slack, Sophie Hilgard, Emily Jia, Sameer Singh, **Himabindu Lakkaraju**
AIES - AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society, 2020
Featured in Harvard Business Review and deeplearning.ai
Best Paper (Non-Archival) at AAAI Workshop on Safe AI, 2020
Invited Talk at INFORMS Annual Meeting, 2020
- [22] Faithful and Customizable Explanations of Black Box Models
Himabindu Lakkaraju, Ece Kamar, Rich Caruana, Jure Leskovec
AIES - AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society, 2019
Invited Talk at INFORMS Annual Meeting, 2017
- [21] The Selective Labels Problem: Evaluating Algorithmic Predictions in the Presence of Unobservables
Himabindu Lakkaraju, Jon Kleinberg, Jure Leskovec, Jens Ludwig, Sendhil Mullainathan
KDD - ACM SIGKDD Conference on Knowledge Discovery and Data Mining, 2017
- [20] Learning Cost-Effective and Interpretable Treatment Regimes
Himabindu Lakkaraju, Cynthia Rudin
AISTATS - International Conference on Artificial Intelligence and Statistics, 2017
INFORMS Data Mining Best Paper Award, 2017
Invited Talk at INFORMS Annual Meeting, 2017
- [19] Identifying Unknown-Unknowns in the Open World: Representations and Policies for Guided Exploration
Himabindu Lakkaraju, Ece Kamar, Rich Caruana, Eric Horvitz
AAAI - AAAI International Conference on Artificial Intelligence, 2017
Featured in Bloomberg Technology
- [18] Confusions over Time: An Interpretable Bayesian Model for Characterizing Trends in Decision Making
Himabindu Lakkaraju, Jure Leskovec
NIPS - Advances in Neural Information Processing Systems, 2016
- [17] Interpretable Decision Sets: A Joint Framework for Description and Prediction
Himabindu Lakkaraju, Stephen Bach, Jure Leskovec
KDD - ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, 2016
Invited Talk at INFORMS Annual Meeting 2016
- [16] A Machine Learning Framework to Identify Students at Risk of Adverse Academic Outcomes
Himabindu Lakkaraju, Everaldo Aguiar, Carl Shan, David Miller, Nasir Bhanpuri, Rayid Ghani, Kecia Addison
KDD - ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, 2015
- [15] A Bayesian Framework for Modeling Human Evaluations
Himabindu Lakkaraju, Jure Leskovec, Jon Kleinberg, Sendhil Mullainathan
SDM - SIAM International Conference on Data Mining, 2015

- [14] Who, When, and Why: A Machine Learning Approach to Prioritizing Students at Risk of not Graduating High School on Time
Everaldo Aguiar, **Himabindu Lakkaraju**, Nasir Bhanpuri, David Miller, Ben Yuhas, Kecia Addison, Shihching Liu, Marilyn Powell and Rayid Ghani
[LAK](#) - *Learning Analytics and Knowledge Conference*, 2015
- [13] What's in a name ? Understanding the Interplay between Titles, Content, and Communities in Social Media
Himabindu Lakkaraju, Julian McAuley, Jure Leskovec
[ICWSM](#) - *International AAAI Conference on Weblogs and Social Media*, 2013
Featured in Time, Forbes, Phys.Org, Business Insider
- [12] Dynamic Multi-Relational Chinese Restaurant Process for Analyzing Influences on Users in Social Media
Himabindu Lakkaraju, Indrajit Bhattacharya, Chiranjib Bhattacharyya
[ICDM](#) - *IEEE International Conference on Data Mining*, 2012
- [11] Attention prediction on social media brand pages
Himabindu Lakkaraju, Jitendra Ajmera
[CIKM](#) - *ACM Conference on Information and Knowledge Management*, 2011
- [10] Exploiting Coherence for the Simultaneous Discovery of Latent Facets and associated Sentiments
Himabindu Lakkaraju, Chiranjib Bhattacharyya, Indrajit Bhattacharya, Srujana Merugu
[SDM](#) - *SIAM International Conference on Data Mining*, 2011
Best Paper Award
- [9] TEM: A novel perspective to modeling content on microblogs
Himabindu Lakkaraju, Hyung-Il-Ahn
[WWW](#) - *International World Wide Web Conference*, 2011
- [8] Smart news feeds for social networks using scalable joint latent factor models
Himabindu Lakkaraju, Angshu Rai, Srujana Merugu
[WWW](#) - *International World Wide Web Conference*, 2011

Preprints

- [7] Algorithmic Recourse in the Wild: Understanding the Impact of Data and Model Shifts
Kaivalya Rawal, Ece Kamar, **Himabindu Lakkaraju**
[\[PDF\]](#)
- [6] On the Connections between Counterfactual Explanations and Adversarial Examples
Martin Pawelczyk, Shalmali Joshi, Chirag Agarwal, Sohini Upadhyay, **Himabindu Lakkaraju**
[\[PDF\]](#)
- [5] When Does Uncertainty Matter?: Understanding the Impact of Predictive Uncertainty in ML Assisted Decision Making
Sean McGrath, Parth Mehta, Alexandra ZYTEK, Isaac Lage, **Himabindu Lakkaraju**
Featured in VentureBeat
[\[PDF\]](#)
- [4] Learning Under Adversarial and Interventional Shifts
Harvineet Singh, Shalmali Joshi, Finale Doshi-Velez, **Himabindu Lakkaraju**
[\[PDF\]](#)
- [3] An Empirical Study of the Trade-Offs Between Interpretability and Fairness
Shahin Jabbari, Han-Ching Ou, Milind Tambe, **Himabindu Lakkaraju**
[\[PDF\]](#)

Patents

- [2] Extraction and Grouping of Feature Words
Chiranjib Bhattacharyya, **Himabindu Lakkaraju**, Sunil Aravindam, Kaushik Nath
[US8484228 B2](#)
- [1] Enhancing knowledge bases using rich social media
Jitendra Ajmera, Shantanu Godbole, **Himabindu Lakkaraju**, Ashish Verma, Ben Roden
[US20130224714 A1](#)

Advising & Mentoring

Chirag Agarwal, Postdoctoral Fellow, Harvard University	2020 - Present
Suraj Srinivas, Postdoctoral Fellow, Harvard University	2021-Present
Shahin Jabbari, Postdoctoral Fellow, Harvard University	2019 - 2021
Satyapriya Krishna, PhD Student, Harvard University	2021-Present
Tessa Han, PhD Student, Harvard University	2021 - Present
Sohini Upadhyay, PhD Student, Harvard University	2020 - Present
Dylan Slack, PhD Student, UC Irvine	2019 - Present
Martin Pawelczyk, PhD Student, University of Tübingen	2021 - Present
Sophie Hilgard, PhD Student, Harvard University	2019 - 2020
Tom Suhr, Masters Student, University of Tübingen	2020 - Present
Teresa Dutta, Masters Student, Harvard University	2021 - Present
Kaivalya Rawal, MS Student, Harvard University	2019 - 2021
Aditya Karan, MS Student, Harvard University	2019 - 2020
Ethan Kim, Undergrad, Harvard University	2021 - Present
Javin Pombra, Undergrad, Harvard University	2021 - Present
Eshika Saxena, Undergrad, Harvard University	2021 - Present
Alexis Ross, Undergrad, Harvard University	2019 - 2021
Jorma Gorns, Undergrad, Harvard University	2019 - 2020
Emily Jia, Undergrad, Harvard University	2019 - 2020
Wanqian Yang, Undergrad, Harvard University	2019 - 2020
Nino Arsov, Visiting Researcher, Stanford University	2016, 2019 - 2020
Rishabh Bhargava, MS Student, Stanford University	2015
Yilun Wang, MS Student, Stanford University	2014 - 2015
Mrinal Kanti Das, Ph.D. Student, Indian Institute of Science	2011
Hemant Purohit, Ph.D. Student, Wright State University	2011

Teaching Experience

Instructor, Interpretability and Explainability in ML Harvard CS & Harvard Business School	Fall 2019 & Spring 2021
First ever course on this emerging topic	
Instructor, Technology and Operations Management Harvard Business School	Fall 2020 & Fall 2021
Instructor, Introduction to ML for Social Scientists , Harvard Business School	Spring 2020
Doctoral course on <i>Empirical Technology and Operations Management</i>	
Instructor, Explainable and Accurate AI for High-Stakes Decision Making Harvard Business Analytics Program (HBAP)	2020 - 2021
Guest Lecture, Introduction to Data Science, Stanford Law School	Spring 2016
Co-instructor, Probability with Mathemagics, Stanford: Splash Initiative for High School Students	Spring 2016
Teaching Assistant, Stanford: Mining Massive Data Sets (CS 246)	Winter 2016
Guest Lecture, Algorithms for Submodular Optimization Stanford: Mining Massive Data Sets (CS 246)	Winter 2016
Co-instructor, Introduction to Python Programming Stanford: Girls Teaching Girls to Code (GTGTC) for High School Students	Spring 2015

	Mathematics and Science Tutor DreamCatchers Nonprofit Organization, Palo Alto	Winter 2015
	Head Teaching Assistant, Stanford: Social & Information Network Analysis (CS 224W)	Autumn 2014
	Head Teaching Assistant, Indian Institute of Science: Machine Learning	Autumn 2010
Tutorials	Explaining Machine Learning Predictions: State-of-the-art, Challenges, and Opportunities	AAAI 2021
	Explainable ML in the Wild: When Not to Trust Your Explanations	FAccT 2021
	Explainable ML: Understanding the Limits and Pushing the Boundaries	CHIL 2021
	Invited Tutorial Explaining Machine Learning Predictions: State-of-the-art, Challenges, and Opportunities	NeurIPS 2020
Invited Talks & Panel Discussions	Keynote at ACM CIKM Conference	2021
	NIST AI Risk Management Framework Workshop	2021
	NeurIPS Workshop on Algorithmic Fairness through the Lens of Causality and Robustness	2021
	NeurIPS Workshop on Explainable AI Approaches for Debugging and Diagnosis	2021
	NeurIPS Workshop on Human and Machine Decisions	2021
	ICML Workshop on Interpretable ML in Healthcare	2021
	Keynote at KDD Workshop on ML in finance	2021
	AI for Good Summit organized by International Telecommunications Union & the United Nations	2021
	Keynote at CVPR Workshop on Responsible Computer Vision	2021
	Keynote at ICLR Workshop on Responsible AI	2021
	Keynote at ASPLOS Workshop on Systems Architecture for Robust, Safe, and Resilient Software	2021
	Keynote at MLSys Workshop on Personalized Recommender Systems & Algorithms	2021
	University of Cambridge	2021
	Neurosym Webinar Series, Jointly Organized by UPenn, MIT, Caltech, and Stanford	2021
	Voices of Data Science, UMass Amherst	2021
	Max Planck Symposium on Computing and Society	2021
	Machine Learning Department and Institute of Software Research at Carnegie Mellon University	2020
	Keynote at CVPR Workshop on Fair, Data-Efficient and Trusted Computer Vision	2020
	Keynote at MICCAI Workshop on Interpretability in Medical Imaging	2020
	3 Invited Talks at INFORMS Annual Meeting	2020
	ETH - Center for Law and Economics, Zurich	2020
	University of Michigan, Ann Arbor	2019
	Harvard CRCS Seminar, Cambridge	2019
	INFORMS Annual Meeting, Seattle	2019
	AI World Conference & Expo, Cambridge	2019
	EmTech MIT Conference, Cambridge	2019
	Google DeepMind Annual Summit, Cambridge	2019
	Women in Machine Learning Workshop, Boston	2019
	ICLR Workshop on Safe Machine Learning, New Orleans	2019
	Harvard Data Science Conference, Cambridge	2018
	South Park Commons, San Francisco	2018
	Microsoft Research, Redmond	2018
	Computer Science Department at UCSD, San Diego	2018
	Computer Science Department at University of Michigan, Ann Arbor	2018
	Computer Science Department at Brown University, Providence	2018

Computer Science Department at UIUC, Urbana Champaign	2018
Computer Science Department at USC, Los Angeles	2018
Machine Learning and Computer Science Departments at Carnegie Mellon University, Pittsburgh	2018
Computer Science Department at UCLA, Los Angeles	2018
Computer Science Department at UCI, Irvine	2018
Computer Science Department at Duke University, Durham	2018
Computer Science Department at University of Maryland, College Park	2018
NYU Stern School of Business, New York	2018
Operations Research and Information Engineering Department at Cornell University, Ithaca	2018
Industrial Engineering and Operations Research Department at Columbia University, New York	2018
College of Computing at Georgia Tech, Atlanta	2018
Computer Science Department at Harvard University, Cambridge	2018
Computer Science Department at Yale University, New Haven	2018
MIT Sloan School of Management, Cambridge	2018
Harvard Business School, Boston	2018
Operations Research and Financial Engineering Department at Princeton University, Princeton	2018
UC Berkeley School of Public Health, San Francisco	2018
Microsoft Research, Redmond, USA	2017
IBM Thomas J. Watson Research Center, New York	2017
Machine Learning Seminar at Duke University, Durham	2017
INFORMS Annual Meeting, Houston	2017
Keynote at ICML Workshop on Automatic Machine Learning, Sydney, Australia	2017
Stanford Biomedical Data Science Lecture Series, Palo Alto	2017
Stanford Symbolic Systems Coffee Chat Series, Palo Alto	2017
Stanford Data Science Retreat, Palo Alto	2017
Workshop on Demystifying Artificial Intelligence, San Francisco	2017
Disruptive Innovation in Law Conference, Sydney, Australia	2017
Rising Stars Workshop, Pittsburgh	2016
Robert Bosch Research, Palo Alto	2016
INFORMS Annual Meeting, Nashville	2016
Stanford Data Science Retreat, Palo Alto	2016
Future Law: Watson and Beyond (Panel Discussion), Stanford Law School	2016
CodeX Center, Stanford Law School, Palo Alto	2016
KDD Workshop on Data Science for Social Good, New York	2014
University of Chicago Computation Institute, Chicago	2014
Stanford HCI Retreat, San Francisco	2013
Yahoo IR Summer School, Bangalore, India	2011
Indian Institute of Science Talk Series, Bangalore, India	2011
Grace Hopper India Chapter, Bangalore, India	2011

Community Service **Co-Founder & Organizer:** [Trustworthy ML Initiative](#)

We launched this initiative to enable easy access to resources on trustworthy ML and to build a community of researchers and practitioners working on the topic.

Co-Chair:

KDD Fairness Day	2022
KDD Deep Learning Day	2021
ICML Workshop on Algorithmic Recourse	2021
ELLIS Human-Centric Machine Learning Workshop	2021
Session on Trustworthy Machine Learning at INFORMS	2020
Session on Fairness in Machine Learning at INFORMS	2019
Workshop on Debugging Machine Learning Models at International Conference on Learning Representations (ICLR)	2019
Workshop for spreading awareness about STEM fields among middle school girls	2016

Stanford's Girls Teaching Girls To Code (GTGTC)	2015
Women in Data Science for Social Good Group, UChicago	2014
Grace Hopper India Conference	2011

Area Chair:

ICML - <i>International Conference on Machine Learning</i>	2019 - 2021
NeurIPS - <i>Advances in Neural Information Processing Systems</i>	2019 - 2021
ICLR - <i>International Conference on Learning Representations</i>	2020 - 2022
AISTATS - <i>International Conference on Artificial Intelligence and Statistics</i>	2021 - 2022

Program Committee:

AISTATS - <i>International Conference on Artificial Intelligence and Statistics</i>	2019 - 2020
AAAI - <i>AAAI International Conference on Artificial Intelligence</i>	2019
ICML - <i>International Conference on Machine Learning</i>	2018
ICLR - <i>International Conference on Learning Representations</i>	2018 - 2019
IJCAI - <i>International Joint Conference on Artificial Intelligence</i>	2018 - 2019
WWW - <i>International World Wide Web Conference</i>	2017 - 2018
NIPS - <i>Advances in Neural Information Processing Systems</i>	2016 - 2017
KDD - <i>ACM SIGKDD Conference on Knowledge Discovery and Data Mining</i>	2015 - 2017
CIKM - <i>ACM Conference on Information and Knowledge Management</i>	2011, 2017
ICML Workshop on Interpretable Machine Learning	2016 - 2017
NIPS Workshop on Interpretable Machine Learning	2016
SDM - <i>SIAM International Conference on Data Mining</i>	2015
UAI - <i>Conference on Uncertainty in Artificial Intelligence</i>	2011
AAAI - <i>AAAI conference on Artificial Intelligence</i>	2011

Journal Reviewer:

OR - <i>Operations Research</i>	2021
TWEB - <i>ACM Transactions on the Web</i>	2017
PLOS ONE - <i>Public Library of Science ONE</i>	2017
EJOR - <i>European Journal of Operational Research</i>	2017
TKDD - <i>ACM Transactions on Knowledge Discovery from Data</i>	2016
TKDE - <i>IEEE Transactions on Knowledge and Data Engineering</i>	2015

Other:

Mentor, Stanford Science Penpals	2017
Member, Ph.D. Student Selection Committee, Stanford Computer Science	2016
Mentor and Sponsor, Children International	2013 - Present
Member, Stanford AI Women Group	2014 - Present

Selected Media Coverage

Harvard Business Review: [The AI transparency paradox](#)
MIT Technology Review: [How to upgrade judges with machine learning](#)
Harvard Business Review: [Solving social problems with machine learning](#)
The New York Times: [Even Imperfect Algorithms Can Improve the Criminal Justice System](#)
VentureBeat: [Confidence, uncertainty, and trust in AI affect how humans make decisions](#)
Wired: [This Agency Wants to Figure Out Exactly How Much You Trust AI](#)
Bloomberg Technology: [Researchers combat gender and racial bias in AI](#)
Forbes: [How to craft the perfect Reddit posting](#)
Time: [How to succeed on Reddit](#)
Business Insider: [How to execute the perfect Reddit submission](#)
Phys.org: [Stanford Trio explore success formula for Reddit posts](#)
International Business Times: [The secret to what makes something go viral](#)
New Scientist: [Things that make a meme explode](#)
The Verge: [The math behind successful Reddit submissions](#)
ACM TechNews: [Stanford trio explore success formula for Reddit posts](#)
Gizmodo: [This equation can tell you how successful a reddit post can be](#)
GigaOm: [How to maximize your reddit upvotes, by the numbers](#)