

	[9] A Robot’s Expressive Language Affects Human Strategy and Perceptions in a Competitive Game <i>IEEE Conference on Robot and Human Interactive Communication (ROMAN) 2019</i> Aaron Roth, Samantha Reig, Umang Bhatt , Johnathan Schulgach, Tamara Amin, Afsaneh Doryab, Fei Fang, Manuela Veloso	
SELECT WORKSHOP PUBLICATIONS	[10] Do Concept Bottleneck Models Learn As Intended? <i>ICLR Workshop on Responsible AI 2021</i> Andrei Margeloiu*, Matth Ashman*, Umang Bhatt *, Yanzhi Chen, Mateja Jamnik, Adrian Weller	
	[11] Fast Conformal Classification using Influence Functions <i>Symposium on Conformal and Probabilistic Prediction and Applications (COPA) 2021</i> Umang Bhatt , Adrian Weller, Giovanni Cherubin	
	[12] δ-CLUE: Diverse Sets of Explanations for Uncertainty Estimates <i>ICLR Workshop on Security and Safety in Machine Learning Systems 2021</i> Dan Ley, Umang Bhatt , Adrian Weller	
	[13] On the Fairness of Causal Algorithmic Recourse <i>NeurIPS Workshop on Algorithmic Fairness through Causality and Interpretability 2020</i> Julius von Kügelgen, Umang Bhatt , Amir Karimi, Isabel Valera, Adrian Weller, Bernhard Schölkopf	
	[14] Counterfactual Accuracies for Alternative Models <i>ICLR Workshop on Machine Learning in Real Life 2020</i> Umang Bhatt , Adrian Weller, Muhammad Bilal Zafar, Krishna Gummadi	
	[15] Diagnostic Model Explanations: A Medical Narrative <i>AAAI Spring Symposium on Interpretable AI for Well-Being 2019 (Best Presentation Award)</i> Umang Bhatt , Brian Davis, José M.F. Moura	
	[16] Intelligent Pothole Detection and Road Condition Assessment <i>Bloomberg Data for Good Exchange (D4GX) 2017</i> Umang Bhatt , Edgar Xi, Shouvik Mani, J. Zico Kolter	
BOOK CHAPTERS	[17] Trust in Artificial Intelligence: Clinicians are Essential <i>Healthcare Information Technology for Cardiovascular Medicine</i> . Springer 2021 Umang Bhatt , Zohreh Shams	
SELECT FELLOWSHIPS AND AWARDS	The Alan Turing Institute Enrichment Studentship Mozilla Fellowship Partnership on AI Research Fellowship Leverhulme Center for the Future of Intelligence PhD Scholarship Fully funded by DeepMind and the Leverhulme Trust Best Presentation Award , AAAI Spring Symposium on Interpretable AI for Well-Being Lovett Family Endowed Scholarship , The Andrew Carnegie Society Undergraduate Research Presentation Award , CMU NSF I-Corps Site Award for research commercialization H. F. McCullough Memorial Scholarship , CMU	2021 – 2022 2020 – 2021 2019 – 2020 2019 – 2023 2019 2019 2017 2017 2016
GRANTS	Co-Investigator, “Social Explainability (SOXAI) for Trustworthy AI” £107,000 from EPSRC via Research Centre on Privacy, Harm Reduction, and Adversarial Influence PI: Frens Kroeger (Coventry); CI: James Hancock (Stanford) and Beate Grawemeyer (Coventry)	2021–2022
SELECT INVITED TALKS	<i>Beyond Feature Importance: Explaining Uncertainty Estimates</i> • Huawei Strategy & Technology Workshop • International Conference on Learning Representations (ICLR) • Technical University of Denmark • Harvard SEAS	Oct 2021 May 2021 Apr 2021 Apr 2021

	<p><i>Challenges in Deploying Explainable Machine Learning</i></p> <ul style="list-style-type: none"> Imperial College Explainable AI Seminar Feb 2021 Robust and Responsible AI (Rsrd) Developers Meetup July 2020 Keynote: ICML Workshop on Extending Explainable AI July 2020 Keynote: Mozilla All-Hands Meeting June 2020 QuantumBlack (McKinsey) AI Seminar May 2020 ACM Conference on Fairness, Accountability, and Transparency (FAccT) Jan 2020 <p><i>Aggregating Feature-based Model Explanations</i></p> <ul style="list-style-type: none"> International Joint Conference on Artificial Intelligence (IJCAI) July 2020 Fiddler Labs May 2019 AAAI Spring Symposium on Interpretable AI for Well-being Mar 2019 Element AI Dec 2018 	
TEACHING EXPERIENCE	<p>Thesis Co-Supervisor/Mentor, University of Cambridge</p> <ul style="list-style-type: none"> Varun Babbar, MEng in Information Engineering 2021 – Present Javier Abad Martinez, Research Assistantship 2021 – Present Dan Ley, MEng in Information Engineering (<i>Next: Data Scientist at JP Morgan</i>) 2020 – 2021 Charlie Rogers Smith, Research Assistantship (<i>Next: Engineer at Future of Humanity Institute</i>) Summer 2021 <p>Teaching Assistant (Supervisor/Grader), University of Cambridge</p> <ul style="list-style-type: none"> <i>Probabilistic ML</i> (4F13) for Zoubin Ghahramani and J.M. Hernández-Lobato Michaelmas 2020 <p>Teaching Assistant, Carnegie Mellon University</p> <ul style="list-style-type: none"> <i>Machine Learning for Engineers - Masters</i> (18-661) for Gauri Joshi Spring 2019 <i>Machine Learning - PhD</i> (10-701) for Ziv Bar-Joseph and Pradeep Ravikumar Fall 2018 <i>Practical Data Science</i> (15-688) for Zico Kolter Spring 2018 <i>Principles of Imperative Computation</i> (15-122) for Illiano Cervesato Fall 2017 <i>Principles of Computing</i> (15-110) for Margret Reid-Miller Spring 2017 	
PROFESSIONAL SERVICE	<p>Co-Organizer</p> <ul style="list-style-type: none"> ELLIS Workshop on Human-Centric Machine Learning May 2021 ICML Workshop on Human Interpretability in Machine Learning July 2020 IBM + Partnership on AI Workshop on Explainable AI Feb 2020 <p>Program Committee</p> <ul style="list-style-type: none"> AAAI – International Conference on Artificial Intelligence 2021, 2022 AISTATS – Conference on Artificial Intelligence and Statistics 2021, 2022 ICLR – International Conference on Learning Representations 2021, 2022 NeurIPS – Conference on Neural Information Processing Systems 2020, 2021 ICAIF – ACM Conference on Artificial Intelligence and Finance 2020, 2021 UAI – Conference on Uncertainty in Artificial Intelligence 2021 ICML – International Conference on Machine Learning 2021 KDD – ACM Conference on Knowledge Discovery and Data Mining 2021 FAccT – ACM Conference on Fairness, Accountability, and Transparency 2021 <p>Reviewer</p> <ul style="list-style-type: none"> Journal of Artificial Intelligence Research (JAIR) ACM Transactions on Computer-Human Interaction (TOCHI) Artificial Intelligence Journal (AIJ) ACM Transactions on Interactive Intelligent Systems (TiiS) 	
PROFESSIONAL EXPERIENCE	<p>Advisor, Responsible AI Institute, Austin, TX Oct 2021 – Present</p> <ul style="list-style-type: none"> Building tools and certification programs for Responsible AI <p>Advisor, Credo AI, Palo Alto, CA June 2020 – June 2021</p> <ul style="list-style-type: none"> Created an AI auditing platform; backed by AI Fund and Andrew Ng <p>Student Fellow, .406 Ventures, Boston, MA July 2018 – June 2020</p> <ul style="list-style-type: none"> Sourced startups and performed first-round due diligence on ventures <p>Co-Founder, Perceptsense, Pittsburgh, PA Jan 2017 – May 2018</p> <ul style="list-style-type: none"> Built products to harvest vehicular telematics data; pipeline acquired by Honda Motors 	