lily\_xu@g.harvard.edu lily-x.github.io

APPOINTMENTS	Assistant Professor Department of Industrial Engineering and Operations Research (IEOR)	ting July 2025
	University of Oxford. Oxford, UK	2024 - 2025
	Postdoctoral Research Fellow Department of Economics and the Leverhulme Centre for Nature Recov	ery
EDUCATION	Harvard University. Cambridge, MA PhD in Computer Science Advisor: Milind Tambe Thesis committee: Dimitris Bertsimas, Yiling Chen, Andrew Davies, Fe	2024 ei Fang
	Dartmouth College. Hanover, NH A.B. with Honors in Computer Science, minor in Spanish Magna cum laude	2018
Honors	Siebel Scholar	2024
	Grant awarded for academic excellence and demonstrated leadership.	
	Rising Star in Data Science (UChicago)	2023
	Rising Star in EECS (GATech) Rising Star in Management Science and Engineering (Stanford MS&E)	2023 $2023$
	Google PhD Fellowship	2023
	One of 13 awardees in machine learning globally.	2022
	INFORMS Doing Good with Good OR Competition Winner	2021
	Recognizes the "most exciting work performed by students in partnership a private organizations that yields tangible and beneficial outcomes for indiv communities, and organizations".	_
	AAAI Best Paper Award Runner Up	2021
	3 best papers and 3 runner-ups were selected out of 9,034 submissions and papers.	1,692 accepted
	Harvard University Derek Bok Certificate of Distinction in Teaching	2021
	Certificate of Appreciation from the SMART Partnership Recognition for contribution to developing PAWS system.	2019
	Five Citations for Academic Excellence at Dartmouth College  Special distinction rarely awarded by faculty members "for meritorious che indicated adequately by academic grades", received across five computer so Spanish courses.  Adobe Women-In-Technology Scholarship – Honorable Mention	
N. D.	CMA DE C	

Non-Profit Service

### SMART Conservation Partnership.

AI Lead 2022 – present

I work with SMART to effectively integrate AI research into their conservation management activities. The SMART Partnership is the global leader in protected area solutions, consisting of 8 leading conservation NGOs: WWF, WCS, Wildlife Protection Solutions, Frankfurt Zoological Society, ZSL, NC Zoo, Panthera, and Re:wild.

#### Preprints

- \* indicates equal contribution
- † indicates undergraduate I advised  $(\alpha \beta)$  indicates alphabetical ordering

# A Bayesian Approach to Online Learning for Contextual Restless Bandits with Applications to Public Health

Under review

Biyonka Liang, Lily Xu, Aparna Taneja, Milind Tambe, Lucas Janson

## Reinforcement learning with combinatorial actions for coupled restless bandits

 $Under\ review$ 

Lily Xu, Bryan Wilder, Elias B. Khalil, Milind Tambe

## Ranger patrols deter poaching: first causal insights for improving protected area management

Working paper

Rachel Guo<sup>†\*</sup>, **Lily Xu**\*, Andrew Perrault, Luke W. Miratrix, Andrew J. Plumptre, Joshua Mabonga, Herbert Kitimbo, Fredrick Wanyama, Simon Nampindo, Milind Tambe, Andrew B. Davies

## Artificial Replay: A Meta-Algorithm for Harnessing Historical Data in Bandits

Working paper

 $(\alpha - \beta)$  Siddhartha Banerjee, Sean R. Sinclair, Milind Tambe, **Lily Xu**, Christina Lee Yu

# Reflections from the Workshop on AI-Assisted Decision Making for Conservation

White paper

Lily Xu\*, Esther Rolf\*, Sara Beery, Joseph R. Bennett, Tanya Berger-Wolf, Tanya Birch, Elizabeth Bondi-Kelly, Justin Brashares, Melissa Chapman, Anthony Corso, Andrew Davies, Nikhil Garg, Angela Gaylard, Robert Heilmayr, Hannah Kerner, Konstantin Klemmer, Vipin Kumar, Lester Mackey, Claire Monteleoni, Paul Moorcroft, Jonathan Palmer, Andrew Perrault, David Thau, Milind Tambe

## Publications (Journals)

## Bridging adaptive management and reinforcement learning for more robust decisions

Philosophical Transactions of the Royal Society B (2023). Vol. 378, Issue 1881. Melissa Chapman, Lily Xu, Marcus Lapeyrolerie, Carl Boettiger

### Biodiversity monitoring for a just planetary future

Science (2024). Vol. 383, Issue 6678, pp. 34–36.

Melissa Chapman, Benjamin R. Goldstein, Christopher J. Schell, Justin S. Brashares, Neil H. Carter, Diego Ellis-Soto, Hilary Oliva Faxon, Jenny E. Goldstein, Benjamin S. Halpern, Joycelyn Longdon, Kari EA Norman, Dara O'Rourke, Caleb Scoville, Lily Xu, Carl Boettiger

# Publications (Conferences)

# Stay Ahead of Poachers: Illegal Wildlife Poaching Prediction and Patrol Planning Under Uncertainty with Field Test Evaluations

ICDE 2020. 36th IEEE International Conference on Data Engineering

Lily Xu\*, Shahrzad Gholami\*, Sara Mc Carthy, Bistra Dilkina, Andrew Plumptre, Milind Tambe, Rohit Singh, Mustapha Nsubuga, Joshua Mabonga, Margaret Driciru, Fred Wanyama, Aggrey Rwetsiba, Tom Okello, Eric Enyel

### Dual-Mandate Patrols: Multi-Armed Bandits for Green Security

AAAI 2021. 35th AAAI Conference on Artificial Intelligence

Lily Xu, Elizabeth Bondi, Fei Fang, Andrew Perrault, Kai Wang, and Milind Tambe Best Paper Award Runner Up

Top 6 of 1692 accepted papers

## Envisioning Communities: A Participatory Approach Towards AI for Social Good

AIES 2021. 4th AAI/ACM Conference on AI, Ethics, and Society Elizabeth Bondi\*, Lily Xu\*, Diana Acosta-Navas, Jackson A. Killian

## Robust Reinforcement Learning Under Minimax Regret for Green Security

UAI 2021. 37th Conference on Uncertainty in Artificial Intelligence
 Lily Xu, Andrew Perrault, Fei Fang, Haipeng Chen, Milind Tambe
 Oral Presentation

Top 6.17% of submissions

## Coordinating Followers to Reach Better Equilibria: End-to-End Gradient Descent for Stackelberg Games

AAAI 2022. 36th AAAI Conference on Artificial Intelligence Kai Wang, Lily Xu, Andrew Perrault, Michael K. Reiter, Milind Tambe

### Ranked Prioritization of Groups in Combinatorial Bandit Allocation

IJCAI 2022. 31st International Joint Conference on Artificial Intelligence Lily Xu, Arpita Biswas, Fei Fang, Milind Tambe

### Restless and Uncertain: Robust Policies for Restless Bandits via Deep Multi-Agent Reinforcement Learning

UAI 2022. 38th Conference on Uncertainty in Artificial Intelligence Jackson A. Killian, Lily Xu, Arpita Biswas, Milind Tambe

### Optimistic Whittle Index Policy: Online Learning for Restless Bandits

AAAI 2023. 37th AAAI Conference on Artificial Intelligence Kai Wang\*, Lily Xu\*, Aparna Taneja, Milind Tambe

## Robust Planning over Restless Groups: Engagement Interventions for a Large-Scale Maternal Telehealth Program

AAAI 2023. 37th AAAI Conference on Artificial Intelligence Jackson A. Killian\*, Arpita Biswas\*, **Lily Xu**\*, Shresth Verma\*, Vineet Nair, Aparna Taneja, Aparna Hegde, Neha Madhiwalla, Paula Rodriguez Diaz, Sonja Johnson-Yu, Milind Tambe

## Flexible Budgets in Restless Bandits: A Proximal Primal-Dual Algorithm for Efficient Budget Allocation

AAAI 2023. 37th AAAI Conference on Artificial Intelligence Paula Rodriguez Diaz, Jackson A. Killian, **Lily Xu**, Aparna Taneja, Arun Sai Suggala, Milind Tambe

Publications (Book Chapters)

Environment, Society, and Machine Learning

Oxford Handbook of the Sociology of Machine Learning (2023) Caleb Scoville, Hilary Faxon, Melissa Chapman, Samantha Jo Fried, **Lily Xu**, Carl Boettiger, J. Michael Reed, Marcus Lapeyrolerie, Amy Van Scoyoc, Razvan Amironesei Does not include contributed conference and workshop talks Major talks  $\underline{\text{underlined}}$ 

inagor como <u>arraormica</u>		
Conservation management and policy with causal inference and <i>University of Maryland</i> . Analytics for Good workshop	ML May 2024	
Opportunities in AI decision support for biodiversity conservation  Aspen Global Change Institute. AI for Biodiversity: Overcoming Barriers to Impact Jul 2024		
Climate Change AI. Summer School	Jun 2024	
Opportunities in AI decision-making for wildlife conservation		
Harvard. CGA Geospatial AI workshop	May 2024	
Verena Institute.	May 2024	
Equitech Futures.	Apr 2024	
High-stakes decisions from low-quality data: AI decision-making	r for	
planetary health	3 101	
GATech. School of Computer Science	Feb 2024	
Max Planck Institute. MPI-SWS Kaiserslautern	Feb 2024	
Max Planck / Universität Tübingen. Tübingen AI Center	Feb 2024	
,	Feb 2024	
CMU. Engineering and Public Policy (EPP)		
Cornell. Information Science	Feb 2024	
Cornell. ORIE	Feb 2024	
Michigan. IOE	Feb 2024	
Dartmouth. Thayer School of Engineering	Jan 2024	
Columbia. IEOR	Jan 2024	
Yale School of Management. Operations group	Jan 2024	
Columbia Business School. DRO division	Jan 2024	
MIT Sloan. OR/STATS	Jan 2024	
Wharton School. OID	Dec 2023	
UT Austin McCombs. IROM	Nov 2023	
Caltech. FALCON Research Group Seminar	Nov 2023	
UChicago. Rising Stars in Data Science	Nov 2023	
UC Berkeley. Data Science Toolbox Series	Oct 2023	
INFORMS Annual Meeting. ML for Social Good session	Oct 2023	
Cornell ORIE. Young Researchers Workshop	Oct 2023	
J.P. Morgan. AI Research group	Oct 2023	
Stanford MS&E. Rising Stars in MS&E	May 2023	
Causal AI and Conservation		
ICCB. Int'l Conference on Conservation Biology, Kigali, Rwanda	Jul 2023	
Microsoft Research New England. Machine Learning Ideas seminar	Jun 2023	
United Nations ITU. AI for Good Summit	Jun 2023	
WWF. Fuller Seminar Series on Conservation AI	Apr 2023	
Minimax Regret Optimization: Robust Planning for Conservati	on and	
Maternal Health  Replace MARI - Multi-Ament Learning Seminar	Mar 2002	
Berkeley MARL. Multi-Agent Learning Seminar	Mar 2023	
Brown University. Algorithmic Game Theory group	Mar 2023	
Learning and Planning Under Uncertainty for Wildlife Conserva	ation	
Harvard Kennedy School. "Leading in AI" Executive Education	Jul 2023	
Down Chat. CCDAI Vision Ashiron Commercian	M 2022	

 ${\rm Mar}\ 2023$ 

Penn State. CSRAI Young Achievers Symposium

	OC Derketey. Global Folicy Lab	reb 2023
	Centro de Analítica para Políticas Públicas (CAPP). (in Spanish)	Dec 2022
	Georgia Tech. ISyE department seminar	Nov 2022
	Analytics for a Better World. ABW Webinar Series	Sep 2022
	Harvard Kennedy School. "Leading in AI" Executive Education	Jul 2022
	UC Berkeley. Ethics and Practices of Algorithmic Conservation	
	*	Apr 2022
	UCL. Climate Hack AI Competition, keynote	Mar 2022
	Harvard University. HCI Colloquium: AI-Assisted Decision-Making	Feb 2022
	Pasteur's Quadrant. Seminar Series	Feb 2022
	INFORMS. Doing Good with Good OR Finalists	Oct 2021
	Ranked Prioritization of Groups in Combinatorial Bandit Allo	cation
	Sony. Computer Science Laboratories (CSL) Paris	Oct 2022
	Stanford. Computing & Society group	Oct 2022
	· · · · · · · · · · · · · · · · · · ·	
	INFORMS Annual Meeting. Fairness in Sequential Decision Making	Oct 2022
	Envisioning Communities: A Participatory Approach to AI for Good	Social
	MIT. AI Ethics group	Sep $2022$
	Women's Forum. Women4AI Daring Circle workshop	Jun 2022
	Robust Reinforcement Learning Under Minimax Regret for Gasecurity	reen
	Google Research India. AI for Social Good research group	Jan 2022
	PAWS: AI to Predict and Plan Against Poaching	
	ICCB. International Congress for Conservation Biology	Dec 2021
	IUCN WCC. World Conservation Congress	Sep 2021
	WILDLABS. Tech Tutors: Season Three	-
		Sep 2021
	AI for Climate. Mexico Talk Series powered by Huawei	Jul 2021
	SMART Partnership. International Women's Day Webinar	Mar 2021
	WWF. Webinar on SMART	Apr 2020
	AI LA. Earth Summit	Apr 2021
	Dual-Mandate Patrols: Multi-Armed Bandits for Green Securi	ity
	Beijing Academy of Artificial Intelligence.	Mar 2021
	University College London. AI Society	Feb 2021
Invited Panels	Hertz Foundation Workshop. AI Science and Policy, moderator panelists: Jacob Steinhardt, Julie Owono, Jessica Fjeld	Jul 2022
	South by Southwest (SXSW). AI for Wildlife, panelist	Mar 2021
	Harvard CRCS. AI for Social Impact, moderator	Mar 2020
	panelists: Susan Murphy, Erez Yoeli, Desmond Patton	
Guest Lectures	Harvard. CS 288. AI for Social Impact	Spring 2024
GOLDI LECTURES	Vanderbilt. CS 5891. AI for Social Impact	Spring 2024 Spring 2024
	*	
	Cornell Tech. CS 6382. Data Science for Social Change	Fall 2023
	Cornell Tech. ORIE 5355/INFO 5370. Applied Data Science: Decision-ma	
	prediction	Fall 2023
	Harvard. CS 182. Artificial Intelligence	Fall 2023
	Cornell. INFO 6960. Data Science for Global Development	Spring 2023
	MIT. 15 076. Analytics for a Better World	Spring 2023
	Harvard. CS 96. Machine Learning for Social Impact	Spring 2023
	C	1 0 -

Feb 2023

UC Berkeley. Global Policy Lab

	<ul> <li>Wellesley. CS 115. Computing for the Socio-Techno Web</li> <li>Ohio State. CSE 3521. Survey of Artificial Intelligence I</li> <li>Harvard. CS 288. AI for Social Impact class</li> <li>University of Southern California. ISE 599. Analytics for Social Impact</li> <li>UPenn Wharton. OIDD 941. Recent Advances in Data-Driven Decision-Name</li> </ul>	
	2022  Harvard. CS 96. Machine Learning for Social Impact  Cornell Tech. ORIE 5355/INFO 5370. People, Data, Systems	Spring 2022 Fall 2021
	Harvard Business School. HBSMBA 2231. From Data to Decisions Wellesley. CS 115. Computing for the Socio-Techno Web	Fall 2021 Fall 2021
	Australian National University. CECS8001. Building Cyber-Physical Sys University of Pittsburgh. CS 1699. AI for Good: Ethics and Implications	Spring 2021
	University of Michigan. SI 431. Algorithms and Society Harvard. CS 182. Artificial Intelligence	Spring 2021 Fall 2020
	Dartmouth. CS 11. Foundations of Applied Computer Science	Spring 2018
Work	Google Research. India, AI for Social Good lab	
Experience	Student Researcher	Spring 2022
	Google. Seattle, WA Software Engineering Intern	Summer 2017
	<b>Dyn, Inc</b> . Hanover, NH Data Analytics Research Intern	Spring 2016

Students Advised  $\rightarrow$  At Harvard College

Vincent Börsch-Supan '25
Alejandra Perea Rojas '24
Christopher Ong '23
April Chen '22
Summer 2021
Summer 2021

Adobe Research Women-In-Technology Scholarship Winner

Ezenia Diaz-Lembert '23 Spring 2021

Emilia Cabrera '21 Sep 2020 – Dec 2021

Thesis: Protecting the Lion's Share: Mitigating Illegal Wildlife Poaching with Multi-Agent Reinforcement Learning

Rachel Guo '22 Jun 2020 – May 2023

NCWIT Collegiate Award Winner

CRA Outstanding Undergraduate Researcher Award — Honorable Mention

Harvard Hoopes Prize for Outstanding Thesis

NSF Graduate Research Fellowship

Thesis: On the Effect of Ranger Patrols on Deterring Poaching: A Bayesian

Approach for Causal Inference Using Field Tests as an Instrument

Next step: Stanford ICME PhD student

### TEACHING EXPERIENCE

#### Harvard University

 $\rightarrow$  Head Teaching Fellow CS 182: Artificial Intelligence

Artificial Intelligence Fall 2020

### Harvard Derek Bok Certificate of Distinction in Teaching

### **Dartmouth College**

0	
$\rightarrow$ Teaching Assistant, Department of Computer Science	
CS 11: Foundations of Applied Computer Science, head TA	Spring 2018
CS 1: Intro to Programming and Computation	Spring 2018
CS 1: Intro to Programming and Computation	Fall 2017
CS 31: Algorithms	Winter 2017
CS 1: Intro to Programming and Computation	Spring 2017
CS 10: Object-Oriented Programming	Spring 2016
CS 1: Intro to Programming and Computation	Winter 2016
CS 1: Intro to Programming and Computation	Fall 2015
CS 10: Object-Oriented Programming	Spring 2015
$\rightarrow$ Teaching Assistant, Tuck School of Business	
· · · · · · · · · · · · · · · · · · ·	Cramina 2017
Tuck FWP: Fundamentals of Web Programming	Spring 2017
Tuck DSA: Data Structures and Analytics	Spring 2017

FUNDING: PROPOSALS AND AWARDS Lily Xu. Siebel Scholar, awarded 2023. \$35,000

Co-I (submitted as PhD student, with 0% funding). Hannah Kerner, Sara Beery, **Lily Xu**, Jacob Muise, Shay Chan Hodges, Nicholas Winfrey. *Combating Invasive Axis Deer in Maui, Hawaii with Earth Observations and Machine Learning*. Submitted to NASA in response to 2022 Research Opportunities in Space and Earth Sciences (ROSES) A.40 Earth Science Applications: Ecological Conservation (ECON)

Lily Xu. Google PhD fellowship, awarded 2022. \$88,029

Professional Service	EAAMO (Equity and Access in Algorithms, Mechanisms, and Optimization) formerly Mechanism Design for Social Good (MD4SG)		
	Nonprofit incorporation and Executive Director recruitment, lead MD4SG initiative-wide co-organizer with Charles Cui, Francisco J. Marmolejo Cossío, George Obaido, Matthew Olckers, and Ana-Andrea Stoica; previously with Rediet Abebe, Irene Lo, and Wanyi Li	Apr 2023 – Mar 2021 –	
		0 – Apr 2021 0 – Apr 2021	
	Workshop Organization Co-organizer, AI-Assisted Decision Making for Conservation Workshop with Esther Rolf and Milind Tambe	Oct 2022	
	· ·	Aug 2022	
	Organizer, SMART/PAWS Workshop. Rio Bravo, Belize Lead organizer, Harvard CRCS Rising Stars Workshop	Aug 2022 Mar 2020	
	Co-organizer, Computational Sustainability Doctoral Consortium	Oct 2019	
	with Priya Donti, Genevieve Flaspohler, Aaron Ferber, and Sebastian		
	Tutorials	O-4-2022	
	Lead organizer, AI for Social Impact tutorial @ EAAMO with Emily Aiken, Priya Donti, Nikhil Garg, and Paul Gölz	Oct 2023	
	Panels		
	Co-organizer and co-moderator. The Future of AI for Social Impact panelists: Fei Fang, Lynn Kaack, Danaë Metaxa, Bryan Wilder	Apr 2022	
	Conference Event Organization		
	Social co-chair, ACM EAAMO'23	Oct 2023	
	Social co-chair, ACM EAAMO'22	Oct 2022	
	Social co-chair, ACM EAAMO'21	Oct 2021	
	Social co-chair, Fourth Workshop on MD4SG	Aug 2020	
	Seminar Organization	C: 2022	
	Co-organizer, Harvard CRCS Social Impact Seminar Series Co-organizer, Harvard CRCS Rising Stars Speaker Series	Spring 2022	
	Co-organizer, CompSust Open Graduate Seminar (COGS)	Apr 2021 Spring 2020	
	Journal Reviewing Ambio		
	Program Committee (Conference reviewing)		
	→ Conferences AIES. Artificial Intelligence, Ethics, and Society	2022, 2023	
	AAAI. AAAI Conference on Artificial Intelligence	2023	
	AAAI AISI track. AAAI Conference on Artificial Intelligence 202	0, 2021, 2022	
	COMPASS. ACM SIGCAS Conference on Computing and Sustainable Socie EAAMO. ACM Equity and Access in Algorithms, Mechanisms, and Optimiz		
	2022, 2023, 2024  FAcc T. ACM Conference on Fairness, Accountability, and Transparency	2022, 2023	
	IAAI AAAI Immenting Applications of April 2011 Intelligence	2022, 2023	

IAAI. AAAI Innovative Applications of Artificial Intelligence

NeurIPS. Neural Information Processing Systems

UAI. Uncertainty in Artificial Intelligence

2023

2023

2023

	Regulating Machine Learning @ NeurIPS Computational Sustainability @ NeurIPS Cooperative AI Workshop @ NeurIPS	2023 2021, 2023 2023 0, 2021, 2022 2023 2023 2022 0, 2021, 2022 2020, 2021 2020 2020 2020 2020 2020
	Competition Selection Committee AI2, EarthRanger Conservation Tech Award	2022, 2023
	Reviewer Deep Learning Indaba Caltech Computer Vision for Ecology (CV4Ecology) Summer School ICML, subreviewer NeurIPS, subreviewer IJCAI Special Track on CompSust and Human Well-being, subreviewer COMPASS, subreviewer Bloomberg Data for Good Exchange (D4GX), subreviewer	2022 2022 2021 2020 2020 2019 2019
OUTREACH	Speaking  Harvard. CS 290, Navigating grad school, panelist  Harvard. Tech for Social Good and Harvard Computer Society  Harvard SEAS. PhD Admitted Students Open House, panelist  Harvard SEAS. Research Labs Open House  Girls Computing League. AInnovation Business Summit  IEEE Computer Society. Women in Computing, Kerala Chapter  Data Science Africa. Tutorial on MD4SG and the Environment  Ledyard Canoe Club. Inclusivity in the Outdoors  Dartmouth. Women in Computer Science, panelist  Harvard SEAS. Diversity, Inclusivity, and Belonging, panelist  Center for Initiatives in Jewish Education. High school student visit  World Science Festival. Science and Storytime  L.A. Unified School District (LAUSD). African American Family Day  Zoo Magnet High School. College and Career Day	Nov 2023 Mar 2021 Nov 2020 Sep 2020 Sep 2020 Jul 2020 Jul 2020 May 2020 May 2020 Mar 2020 Jun 2019 May 2019 Nov 2018
	Mentoring  Harvard University. InTouch Peer Mentor  Harvard University. Women in STEM Mentor  Dartmouth College. Women in Computer Science	2020 - 2019 - 2020 2017 - 2018
	Volunteering  Harvard SEAS. A Guide to Your PhD  Harvard University. Project Teach  Cambridge Public Schools. STEAM It Up!  Hustle N' Code. Hackathon, technical lead	Oct 2020 Apr 2020 Oct 2019 Dec 2018

Hustle N' Code is a Los Angeles hackathon for youth in public housing. My team won first place, and the four students each received a laptop.

#### Press

#### Case Studies

Harvard Business School. SMART: AI and ML for Wildlife Conservation

Oct 2022

#### **Podcasts**

Ecochat. AI for Conservation - Using Machine Learning to Stop Poaching

Cold Call (Harvard Business School podcast). Can AI and Machine Learning Help Park
Rangers Prevent Poaching?

2023

INFORMS Resoundingly Human Podcast.

May 2022

Rethinking Economics NL. Disruptive Technologies podcast series.

May 2021

#### Video

Alhub. New Voices in AI: environmental conservation with Lily Xu. Oct 2022 Voice of America (VOA) News. Wildlife Rangers Use AI to Predict Poachers' Next Moves. Jan 2022

#### Articles

Business Insider. Conservationists are using artificial intelligence to map out the best ways for saving threatened wildlife and resources  $Oct\ 2022$ 

Oxford Science. AI in conservation: a modern-day solution to the biodiversity crisis? March 2022

The Hill. These new technologies could transform wildlife conservation. Feb 2022

Harvard SEAS. Computer Conservation. Nov 2021

AIhub. Interview with Lily Xu. Oct 2021

Engadget. PAWS anti-poaching AI predicts where illegal hunters will show up next. Mar 2021

Mongabay. Where to patrol next: 'Netflix' of ranger AI serves up poaching predictions.

Nov 2020

Harvard SEAS.Preventing poaching.Jun 2020BBC Sounds.How tech is tackling wildlife trafficking.Jun 2020BBC World Service.Using technology to take on poachers.Aug 2019USC Viterbi Magazine.AI is for Animals.Apr 2019

### References

#### Milind Tambe milind\_tambe@harvard.edu

Gordon McKay Professor of Computer Science, Harvard University Director of AI for Social Good, Google Research

### Yiling Chen yiling@seas.harvard.edu

Gordon McKay Professor of Computer Science, Harvard University

#### Andrew Davies andrew\_davies@fas.harvard.edu

Assistant Professor of Organismic and Evolutionary Biology, Harvard University

#### Fei Fang feifang@cmu.edu

Associate Professor, Carnegie Mellon University

### Nikhil Garg ngarg@cornell.edu

Assistant Professor, Cornell Tech