

EDUCATION

Princeton University

Doctor of Philosophy in Computer Science; GPA: 3.96/4.00

Princeton, NJ

January 2021 –

Indian Institute of Technology Kanpur

Bachelor of Technology in Computer Science; GPA: 9.9/10.0

Kanpur, India

July 2015 – June 2019

École Polytechnique Fédérale de Lausanne

Exchange Student in Computer Science; GPA: 5.7/6.0

Lausanne, Switzerland

August 2017 – May 2018

WORK EXPERIENCE

Facebook

Software Engineer, Integrity

London, UK

July 2019 - December 2020

Developed machine learning models to combat Covid-19 misinformation and non-consensual intimate imagery across Facebook and Instagram. Interned from May – August 2018; developed machine learning models to detect and remove child sexual abuse material from the platform.

PUBLICATIONS

[1] REFORMS: Reporting Standards for Machine Learning Based Science · Blog post

Sayash Kapoor, Emily Cantrell, Kenny Peng, Thanh Hien (Hien) Pham, Christopher A. Bail, Odd Erik Gundersen, Jake M. Hofman, Jessica Hullman, Michael A. Lones, Momin M. Malik, Priyanka Nanayakkara, Russell A. Poldrack, Inioluwa Deborah Raji, Michael Roberts, Matthew J. Salganik, Marta Serra-Garcia, Brandon M. Stewart, Gilles Vandewiele, Arvind Narayanan
Science Advances (forthcoming)

[2] On the Societal Impact of Open Foundation Models · Blog post

Sayash Kapoor, Rishi Bommasani, Kevin Klyman, Shayne Longpre, Ashwin Ramaswami, Peter Cihon, Aspen Hopkins, Kevin Bankston, Stella Biderman, Miranda Bogen, Rumman Chowdhury, Alex Engler, Peter Henderson, Yacine Jernite, Seth Lazar, Stefano Maffulli, Alondra Nelson, Joelle Pineau, Aviya Skowron, Dawn Song, Victor Storch, Daniel Zhang, Daniel E. Ho, Percy Liang, Arvind Narayanan
Preprint (2024)

[3] Promises and pitfalls of large language models for legal professionals and lay people · Blog post

Sayash Kapoor, Peter Henderson, Arvind Narayanan

Invited publication, Journal of Cross-disciplinary Research in Computational Law (forthcoming)

[4] Against Predictive Optimization: On the Legitimacy of Decision-Making Algorithms that Optimize Predictive Accuracy · Blog post

Angelina Wang*, **Sayash Kapoor***, Solon Barocas, Arvind Narayanan

ACM Journal on Responsible Computing (2024) *Also presented at: Philosophy, AI, and Society (2023); Data (Re)Makes the World (2023), ACM FAccT (2023)*

[5] Foundation Model Transparency Reports · Blog post

Rishi Bommasani, Kevin Klyman, Shayne Longpre, Betty Xiong, **Sayash Kapoor**, Nestor Maslej, Arvind Narayanan, Percy Liang

Preprint (2024)

[6] A Safe Harbor for AI Evaluation and Red Teaming · Blog post

Shayne Longpre, **Sayash Kapoor**, Kevin Klyman, Ashwin Ramaswami, Rishi Bommasani, Borhane Blili-Hamelin, Yangsibo Huang, Aviya Skowron, Zheng-Xin Yong, Suhas Kotha, Yi Zeng, Weiyan Shi, Xianjun Yang, Reid Southen Alexander Robey, Patrick Chao, Diyi Yang, Ruoxi Jia, Daniel Kang, Sandy Pentland, Arvind Narayanan, Percy Liang, Peter Henderson

Preprint (2024)

Our open letter to AI companies calling for a safe harbor was signed by over 350 academics, researchers, and civil society members.

[7] **The Foundation Model Development Cheatsheet**

Shayne Longpre, Stella Biderman, Alon Albalak, Gabriel Ilharco, **Sayash Kapoor**, Kevin Klyman, Kyle Lo, Maribeth Rauh, Nay San, Hailey Schoelkopf, Aviya Skowron, Bertie Vidgen, Laura Weidinger, Arvind Narayanan, Victor Sanh, David Adelani, Percy Liang, Rishi Bommasani, Peter Henderson, Sasha Luccioni, Yacine Jernite, Luca Soldaini
Preprint (2024)

[8] **Leakage and the reproducibility crisis in ML-based science**

Sayash Kapoor, Arvind Narayanan
Patterns (2023)

[9] **Considerations for Governing Open Foundation Models · Blog post**

Rishi Bommasani, **Sayash Kapoor**, Kevin Klyman, Shayne Longpre, Ashwin Ramaswami, Daniel Zhang, Marietje Schaake, Daniel E. Ho, Arvind Narayanan, Percy Liang
Stanford HAI Issue Brief (2023)

[10] **The Foundation Model Transparency Index**

Rishi Bommasani, Kevin Klyman, Shayne Longpre, **Sayash Kapoor**, Nestor Maslej, Daniel Zhang, Percy Liang
Preprint (2023)

[11] **The limitations of machine learning models for predicting scientific replicability**

M. J. Crockett, Xuechunzi Bai, **Sayash Kapoor**, Lisa Messeri, and Arvind Narayanan
Proceedings of the National Academy of Sciences (2023)

[12] **How to Prepare for the Deluge of Generative AI on Social Media**

Sayash Kapoor, Arvind Narayanan
Knight First Amendment Institute (2023)

[13] **Weaving Privacy and Power: On the Privacy Practices of Labor Organizers in the U.S. Technology Industry**

Sayash Kapoor*, Matthew Sun*, Mona Wang*, Klaudia Jąźwińska*, Elizabeth Anne Watkins*
ACM CSCW (2022) **Impact Recognition Award**

[14] **The worst of both worlds: A comparative analysis of errors in learning from data in psychology and machine learning**

Jessica Hullman, **Sayash Kapoor**, Priyanka Nanayakkara, Andrew Gelman, Arvind Narayanan
AIES (2022)

[15] **Controlling polarization in personalization: an algorithmic framework**

L. Elisa Celis, **Sayash Kapoor**, Farnood Salehi, and Nisheeth K. Vishnoi
ACM FAccT 2019 **Best Paper Award**

[16] **Corruption-tolerant bandit learning**

Sayash Kapoor, Kumar Kshitij Patel, and Purushottam Kar
Machine Learning (2019)

[17] **A dashboard for controlling polarization in personalization**

L. Elisa Celis, **Sayash Kapoor**, Vijay Keswani, Farnood Salehi, and Nisheeth K. Vishnoi
AI Communications (2019)

[18] **Balanced news using constrained bandit-based personalization**

Sayash Kapoor, Vijay Keswani, Nisheeth K. Vishnoi, and L. Elisa Celis
IJCAI Demos Track (2018)

PUBLIC WRITING

In addition to the texts below, I write extensively on the AI Snake Oil newsletter, which has over 25,000 subscribers as of April 2024.

[1] **A Safe Harbor for AI Evaluation and Red Teaming**

Shayne Longpre, **Sayash Kapoor**, Kevin Klyman, Ashwin Ramaswami, Rishi Bommasani, Arvind Narayanan, Percy Liang, Peter Henderson
Knight First Amendment Institute (2024)

[2] **Does AI Pose an Existential Risk to Humanity? Two Sides Square Off**

Arvind Narayanan, **Sayash Kapoor**
The Wall Street Journal, November 2023

[3] **Computer Science Researchers Call Out AI Hype as ‘Snake Oil’**

Arvind Narayanan, **Sayash Kapoor**
Princeton Alumni Weekly, December 2023

[4] **How to report better on artificial intelligence**

Sayash Kapoor, Hilke Schellmann, Ari Sen
Columbia Journalism Review (2023)

[5] **Generative AI companies must publish transparency reports**

Arvind Narayanan, **Sayash Kapoor**
Knight First Amendment Institute (2023)

[6] **A Checklist of Eighteen Pitfalls in AI Journalism**

Sayash Kapoor, Arvind Narayanan
Reporting on artificial intelligence: a handbook for journalism educators, UNESCO (2023)

[7] **The LLaMA is out of the bag. Should we expect a tidal wave of disinformation?**

Arvind Narayanan, **Sayash Kapoor**
Knight First Amendment Institute (2023)

[8] **Through the Wire**

Klaudia Jąźwińska, **Sayash Kapoor**, Matthew Sun, Mona Wang
Logic Mag (2022)

[9] **The platform as the city**

Mac Arboleda, Palak Dudani, **Sayash Kapoor**, Lorna Xu
ACM Interactions Mag (2021)

POLICY INPUT

[1] **Reducing harm from deepfakes**

Sayash Kapoor, Arvind Narayanan
Testimony to the New Jersey Assembly (2024)

[2] **Response to Request for Comment on Dual Use Foundation Artificial Intelligence Models With Widely Available Model Weights**

Alondra Nelson, Arvind Narayanan, Caroline Meinhardt, Daniel E. Ho, Daniel Zhang, Dawn Song, Inioluwa Deborah Raji, Kevin Klyman, Marietje Schaake, Mihir Kshirsagar, Percy Liang, Peter Henderson, Rishi Bommasani, Rohini Kosoglu, Rumman Chowdhury, **Sayash Kapoor**, Seth Lazar, Shayne Longpre, Stefano Maffulli, Stella Biderman, Victor Storchan
Submitted to the National Telecommunications and Information Administration (2024)

[3] **Comment to the Copyright Office in Support of a Safe Harbor Exemption for Generative AI Research**

Kevin Klyman, Shayne Longpre, **Sayash Kapoor**, Arvind Narayanan, Aleksandra Korolova, Peter Henderson
Submitted to the U.S. Copyright Office (2024)

[4] **Beyond the AI hype**

Sayash Kapoor, Arvind Narayanan
Government of Canada’s Federal Foresight Network (2024)

[5] **Intro to AI/ML for Regulators**

Sayash Kapoor, Mihir Kshirsagar
Consumer Finance Protection Bureau (2024)

[6] **How to Prepare for the Deluge of Generative AI on Social Media**

Sayash Kapoor, Arvind Narayanan
Federal Trade Commission Division of Advertising Practices Tech Speaker Series (2023)

[7] **Considerations for governing open foundation models · Blog post**

Rishi Bommasani, **Sayash Kapoor**, Kevin Klyman, Shayne Longpre, Ashwin Ramaswami, Daniel Zhang, Marietje Schaake, Daniel E. Ho, Arvind Narayanan, Percy Liang
Stanford HAI Issue Brief (2023)

[8] **The urgent need for accountability in predictive AI**

Arvind Narayanan, **Sayash Kapoor**
Congressional Forum (2023)

[9] Three Ideas for Regulating Generative AI · Blog post

Rishi Bommasani, **Sayash Kapoor**, Daniel Zhang, Arvind Narayanan, and Percy Liang
Submitted to the National Telecommunications and Information Administration (2023)

[10] CITP Comments on AI Accountability · Blog post

Archana Ahlawat, Justin Curl, **Sayash Kapoor**, Aleksandra Korolova, Mihir Kshirsagar, Surya Mattu, Jakob Mökander, Arvind Narayanan, and Matthew J. Salganik
Submitted to the National Telecommunications and Information Administration (2023)

[11] Calling for Investing in Equitable AI Research in Nation's Strategic Plan · Blog post

Solon Barocas, **Sayash Kapoor**, Mihir Kshirsagar, and Arvind Narayanan
Submitted to the White House Office of Science and Technology Policy (2022)

[12] National AI Research Infrastructure Needs to Support Independent Evaluation of Performance Claims · Blog post

Sayash Kapoor, Mihir Kshirsagar, and Arvind Narayanan
Submitted to the White House Office of Science and Technology Policy and National Science Foundation

AWARDS AND RECOGNITION

Featured in the inaugural list: TIME 100 Most Influential People in AI
September 2023

Advisory board member, AI Democracy Forum
September 2023

Impact Recognition Award, ACM CSCW
November 2022

Motorola Gold Medal, IIT Kanpur
June 2019

Best Paper Award, ACM FAccT
January 2019

First Position, E-summit Startup Contest, IIT Kanpur
September 2018

CMMRS 2018, Pre-Doctoral Research School, Max Planck Institute (Saarbrücken)
August 2018

Bronze Medal, ACM ICPC SWERC, École Normale Supérieure
November 2017

Academic Excellence Award, IIT Kanpur
July 2016, July 2017

Outstanding Freshman Award, IIT Kanpur
March 2016

SELECTED TALKS

Understanding and Unlocking AI's Economic Potential
World Bank Measuring Development 2024. Panel. May 2024.

On the Societal Impact of Open Foundation Models
Stanford RegLab. Invited talk. April 2024.

On the Societal Impact of Open Foundation Models
Mechanism Design For Social Good Speaker Series. Invited talk. April 2024.

On the Societal Impact of Open Foundation Models
World Innovation, Technology and Services Alliance. Invited talk. March 2024.

Assessing the risks of open models
This Week in Machine Learning. Podcast. March 2024.

On the Societal Impact of Open Foundation Models

Tech Policy Press. Podcast. March 2024.

On the Societal Impact of Open Foundation Models

Safe Mode. Podcast. March 2024.

Intro to AI/ML for Regulators

Consumer Finance Protection Bureau. Invited talk. March 2024.

On the Societal Impact of Open Foundation Models

Princeton Alignment Reading Group. Invited talk. February 2024.

Against Predictive Optimization

Cornell University. Guest lecture. February 2024.

Understanding AI Hype

Symphony AI. Invited talk. February 2024.

Against Predictive Optimization

Stanford University Fairness Lunch Speaker Series. Invited talk. February 2024.

On the Societal Impact of Open Foundation Models

Stanford Workshop on Governance of Open Foundation Models. Panel. February 2024.

Beyond the AI hype

Government of Canada's Federal Foresight Network. Panel. March 2024.

How to Prepare for the Deluge of Generative AI on Social Media

Federal Trade Commission. Invited talk. December 2023.

Launch of NTIA's Public Consultation Process on Widely Available AI Foundation Model Weights

Center for Democracy and Technology. Panel. December 2023.

Data Governance in the Age of AI

Washington D.C. Panel. December 2023.

National Association of Attorneys General

Washington D.C. Panel. November 2023.

AI and its hazards for science

ScienceWriters Conference, University of Colorado, Boulder. Invited talk. October 2023.

How to detect AI hype

Princeton University Press. Invited talk. October 2023.

Tigers on Strike

Princeton University. Panel. September 2023.

Responsible and Open Foundation Models

Princeton-Stanford. Workshop organizer and panel moderator. September 2023.

Improving Reproducibility, Trustworthiness and Fairness in Machine Learning

ICIAM Minisymposium, Tokyo. Invited talk. August 2023.

Investigating algorithmic harm: Best practices and hard-learned lessons

Investigative Reporters and Editors, Orlando. Panel. June 2023.

Against Predictive Optimization

ACM FAccT, Chicago. Paper talk. June 2023.

CITP Digital Investigators Conference

Princeton University. Invited talk. May 2023.

Critical voices on AI

Birkbeck Institute of Data Analytics. Invited talk. May 2023.

Co-opting AI: Language

New York University. Invited talk. April 2023.

Royal Society, UK Reproducibility Network (UKRN).

Panel. April 2023.

Data (Re)Makes the World

Yale Law School. Panel. April 2023.

Yale Quantum Institute.

Yale University. Invited talk. March 2023.

AI for Libraries, Archives, and Museums

Keynote. November 2022.

Institute of Data Science and Artificial Intelligence seminar

University of Exeter. Invited talk. November 2022.

Data Science Institute seminar

Lawrence Livermore National Lab. Invited talk. October 2022.

5th Annual conference of the Massive Analysis and Quality Control Society

FDA headquarters. Invited talk. September 2022.

Workshop on The Reproducibility Crisis in ML-based Science

Princeton University. Opening talk. July 2022.

SELECTED PRESS

Experts call for legal ‘safe harbor’ so researchers, journalists and artists can evaluate AI tools

VentureBeat, March 2024

Top AI researchers say OpenAI, Meta and more hinder independent evaluations

Washington Post, March 2024

Researchers, legal experts want AI firms to open up for safety checks

Computer World, March 2024

Stanford study outlines risks and benefits of open AI models

Axios, March 2024

A Mistral chills European regulators

Politico, March 2024

What are LLMs, and how are they used in generative AI?

Computer World, February 2024

Princeton University’s ‘AI Snake Oil’ authors say generative AI hype has ‘spiraled out of control’

VentureBeat, August 2023

Computer Science Researchers Call Out AI Hype as ‘Snake Oil’

Princeton Alumni Weekly, December 2023

OpenAI’s ChatGPT turns one year old; what it did (and didn’t do)

Computer World, November 2023

Artificial intelligence is not a silver bullet

NPR, December 2023

AI’s Spicy-Mayo Problem

The Atlantic, November 2023

AI Is Becoming More Powerful—but Also More Secretive

WIRED, October 2023

How Does AI ‘Think’? We Are Only Starting to Understand That

The Wall Street Journal, October 2023

The world’s biggest AI models aren’t very transparent

The Verge, October 2023

Maybe We Will Finally Learn More About How A.I. Works

The New York Times, October 2023

Klobuchar Says AI Regulation Still Possible Before End of Year

Bloomberg, October 2023

Why everyone seems to disagree on how to define artificial general intelligence

Fast Company, October 2023

OpenAI Is Human After All: Sharing Is Caring, Researchers Tell Model Developers

The Information, October 2023

How transparent are AI models? Stanford researchers found out

Venture Beat, October 2023

Newsletter helped us dissect fake claims about AI in real-time

The Indian Express, September 2023

Prominent AI fairness advocates among Princeton AI luminaries

The Daily Princetonian, September 2023

OpenAI Worries About What Its Chatbot Will Say About People's Faces

The New York Times, July 2023

GPT-4: Is the AI behind ChatGPT getting worse?

New Scientist, July 2023

Tips for Investigating Algorithm Harm and Avoiding AI Hype

Global Investigative Journalism Network, July 2023

Six tips for better coding with ChatGPT

Nature News, June 2023

The White House AI R&D Strategy Offers a Good Start. Here's How to Make It Better

Tech Policy Press, May 2023

The AI backlash is here. It's focused on the wrong things

Washington Post, April 2023

What is needed instead of an AI moratorium

Tagesspiegel Background, March 2023

Here are 5 reasons people are dunking on that call for a 6-month A.I. development pause

Fortune, March 2023

Sloppy Use of Machine Learning Is Causing a 'Reproducibility Crisis' in Science

WIRED, August 2022

Could Machine Learning Fuel a Reproducibility Crisis in Science?

Nature, July 2022

SERVICE AND WORKSHOPS

Workshop organizer

Responsible and open foundation models (Princeton & Stanford)

Over 900 registrations. Video recordings seen over 3,200 times.

Workshop organizer

The Reproducibility Crisis in ML-based Science (Princeton)

Over 1,700 registrations. Video recordings seen over 6,500 times.

Workshop organizer

Resistance AI (NeurIPS 2020)

Program committee member

AIES 2022, FAccT 2022, FAccT 2023, FAccT 2024

Reviewer

ICML 2022, PLoS ONE, JMLR, Patterns

CS 5382: Practical Principles for Designing Fair Algorithms

Cornell University. Guest Lecturer. Spring 2024.

COS 350: Ethics of Computing

Princeton University. Preceptor and teaching assistant. Fall 2023.

COS 324: Introduction to Machine Learning

Princeton University. Preceptor and teaching assistant. Spring 2023.

PHI 543: Machine Learning: A Practical Introduction for Humanists and Social Scientists

Princeton University. Guest Lecturer. Fall 2023.

SOC 306: Machine Learning with Social Data: Opportunities and Challenges

Princeton University. Guest Lecturer. Spring 2022, Spring 2023.