

Sara C. Kingsley

School Address

Human Computer-Interaction Institute
School of Computer Science
Carnegie Mellon University
Pittsburgh, PA 15904

email

skingsle@cs.cmu.edu

Research Interests

I am interested in research that explores how computational systems and data practices impact Economic Justice for communities living in poverty and the governance of legal and social contracts. In my research, I use methods from machine learning, applied microeconomics and human-centered design.

Academics

Carnegie Mellon University
Doctor of Philosophy in Human-Computer Interaction, Computer Science
Advisors: Dr. Sarah Fox and Dr. Rediet Abebe
Prospective dissertation: Designing Systems for Economic Justice and Legal Compliance

Pittsburgh, PA

August 2019 - present

University of Massachusetts
Bachelor of Arts in Social Thought and Political Economy
Honors thesis advisor: Dr. Aline Gubrium

Amherst, MA

Fellowships

PhD Fellow, Center for Research on Computation and Society (CRCS)
Harvard University
Mentors: Dr. Rediet Abebe and Dr. Elena Glassman

Summer 2020
Cambridge, MA

Publications

Abebe, Rediet, Kehinde Aruleba, Abeba Birhane, Sara Kingsley, George Obaido, Sekou Remy, and Swathi Sadagopan. "Narratives and Counternarratives on Data Sharing in Africa." *ACM Collective Intelligence (CI)*, 2020. *Preliminary versions in the Privacy Law Scholars Conference (PLSC '20), Contested Data Academic Workshop, and Workshop on Machine Learning for the Developing World (NeurIPS '19)*

Sara Kingsley, Mary L. Gray and Siddharth Suri. "Accounting for Market Frictions and Power Asymmetries in Online Labor Markets," *Policy & Internet*, 2015, 7 (4), 383-400.

Pre-prints and Workshop Publications

Sara Kingsley, Clara Wang, Alexandra Mikhalenko, Proteeti Sinha and Chinmay Kulkarni. "Auditing Digital Platforms for Discrimination in Economic Opportunity Advertising." In the *4th Workshop on Mechanism Design for Social Good (MD4SG '20)*.

Abhishek Gupta, Camylle Lanteigne and Sara Kingsley. "SECure: A Social and Environmental Certificate for AI Systems." In the *4th Workshop on Mechanism Design for Social Good (MD4SG '20)*.

Professional Activities and Service

Mechanism Design for Social Good

Co-organizing w/ George Obaido the Data Economies Working Group (2019 – Present); co-organized with Swathi Sadagopan (2019 - 2020) & co-organizing w/ Manish Raghavan the Online Labor Markets Working Group (2018).

Program Committee

- 4th Workshop on Mechanism Design for Social Good
- ACM CSCW - January 2020
- AI for Social Impact Track @AAAI 2020
- AI for Social Impact Track @Thirty-Fifth AAAI Conference on Artificial Intelligence 2021

Student Governance

- Representative, CMU Graduate Student Assembly Fall 2019, Spring 2020, Summer 2020, Fall 2020

Mentoring

I advise undergraduate students in independent study courses and research, including during the following semesters (please inquire for a note of reference)

- Fall 2019 - supervised 4 undergraduate students (majors: computer science, data science, artificial intelligence)
- Spring 2020 - supervised 2 undergraduate students (majors: computer science, artificial intelligence)
- Summer 2020 - supervised 3 undergraduate students (majors: computer science, artificial intelligence)
- Fall 2020 - supervised 3 undergraduate students (majors: computer science, artificial intelligence)

I serve as an AI mentor in CMU'S AI mentoring program.

Invited Talks & Presentations

April 2020 "Beyond Good Intentions: Data Sharing in and for Africa" with Abeba Birhane, Kehinde Arubela, George Obaido, Sekou Remy and Swathi Sadagopan. ICLR Practical ML for Developing Countries Workshop.

March 2020 "Beyond Good Intentions: Data Practices in Africa" with Rediet Abebe, Kehinde Arubela, George Obaido, Sekou Remy and Swathi Sadagopan. Contested Data workshop, Data & Society: New York, New York.

February 2020 "Big Data, Social Media and Methods of Quantitative Intersectional Identity Analysis." Information School, University of Michigan, Ann Arbor, Michigan.

November 2019 "Homophily & Monopoly-Monopsony Power in Data and Job Markets." Bias Working Group, Mechanism Design for Social Good.

February 2019 "Inequality in Online Labor Markets for Transcription Work." North America Convening, YSI INET: University of Southern California: Los Angeles, California.

October 2018 "Online Labor Market Research." ISSR-CSSI Using the Crowd Mixer. Institutes for Social Science & Computational Social Science Research, University of Massachusetts, Amherst.

April 2015 Berkeley Development Impact Lab. DIL Fellow Panel & Showcase: Tech Innovation and Partnerships for Education in Africa. University of California, Berkeley.

November 2014 "Monopsony Online: crowdworking and market power." Digital Labor Conference: New School, New York, New York.

September 2014 "Monopsony and the Crowd", Internet, Policy & Policy conference: Oxford Internet Institute, Oxford, United Kingdom.

Professional Research Experience

<i>Research Assistant</i> , Carnegie Mellon University, Pittsburgh, PA	August 2019 – Present
<i>Researcher</i> , IG Metall, Frankfurt, Germany	Spring 2019
<i>Independent Researcher</i> , United Nations University, Macao, China	Summer 2018
<i>Associate Researcher</i> , Microsoft Research	June 2015 - June 2017
<i>Usability Researcher</i> , Populus Group LLC assigned at Microsoft Research	Sept. 2013 - May 2014

Graduate Research Internships

<i>PhD Intern</i> , Microsoft Research, Redmond, WA	Mentor: Simon Wilkie	Spring 2015
<i>PhD Intern</i> , Microsoft Research, Redmond, WA	Mentor: Paul Mitchell	Fall 2014
<i>PhD Intern</i> , Microsoft Research, New York, NY	Mentor: Siddharth Suri	Summer 2014
<i>PhD Intern</i> , Microsoft Research, Redmond, WA	Mentor: Paul Mitchell	Summer 2013

Government Work Experience

<i>Legislative Officer</i>	October 2009 – February 2012
Office of Congressional and Intergovernmental Affairs	Washington, DC
U.S. Department of Labor	
<i>Staff Assistant</i>	May 2009 - October 2009
Committee on Health, Education, Labor and Pensions	Washington, DC
U.S. Senate, Chairman Senator Edward M. Kennedy	

Government Internships

U.S. Congressman Jim McGovern, Northampton, MA	Spring 2018
U.S. Senator Edward M. Kennedy, Washington, DC	Spring 2009

MEMBERSHIPS

American Economics Association, Student Member
Association for Computing Machinery, Student Member
Society of Women Engineers, Student Member