

Sarah A. Wu

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Education	Stanford University	2020 – Present
	Ph.D. in Psychology Advisor: Tobias Gerstenberg	
	Diverse Intelligences Summer Institute	2021
Experience	Massachusetts Institute of Technology	2016 – 2020
	B.S. in Mathematics with Computer Science; Brain & Cognitive Sciences	
	Undergraduate Researcher	2019 – 2020
Honors and Awards	Computational Cognitive Science Group, Brain & Cognitive Sciences, MIT – Bayesian theory-of-mind and multi-agent reinforcement learning for social cooperation	
	Undergraduate Researcher	2018
	Izquierdo Lab, Psychology, UCLA – Paradigms for computing uncertainty and volatility in probabilistic learning in rodents	
Publications	Stanford Institute for Research in the Social Sciences Grant (\$1500)	2021
	NeurIPS CoopAI Workshop Best Paper Award	2020
	CogSci Computational Modeling Prize in Higher Cognition	2020
	NSF Graduate Research Fellowship	2020
	Phi Beta Kappa	2020
	Hans Lukas Teuber Award for Outstanding Academics, MIT	2019, 2020
	Amgen National Scholar	2018
	U.S. National Physics Team	2016
Presentations	Sarah A. Wu and Tobias Gerstenberg (in prep). The role of counterfactual reasoning in responsibility judgments.	
	Rose E. Wang*, Sarah A. Wu* , James A. Evans, Joshua B. Tenenbaum, David C. Parkes, and Max Kleiman-Weiner (2021). Too many cooks: Bayesian inference for coordinating multi-agent collaboration. In S. Muggleton and N. Charter (Ed.), <i>Human-like Machine Intelligence</i> . Oxford University Press.	
	Sarah A. Wu* , Rose E. Wang*, James A. Evans, Joshua B. Tenenbaum, David C. Parkes, and Max Kleiman-Weiner (2021). Too many cooks: Bayesian inference for coordinating multi-agent collaboration. <i>Topics in Cognitive Science</i> , 13(2). https://doi.org/10.1111/tops.12525 .	
	Sarah A. Wu and Edward Gibson (2021). Word order predicts cross-linguistic differences in the production of redundant color and number modifiers. <i>Cognitive Science</i> , 45(1). https://doi.org/10.1111/cogs.12934 .	

Sarah A. Wu and Tobias Gerstenberg (in prep). The role of counterfactual reasoning in responsibility judgments.

Sarah A. Wu and Edward Gibson. Word order predicts cross-linguistic differences in the production of redundant color and number modifiers. Talk at the *26th Architectures and Mechanisms for Language Processing (AMLaP)*.

Sarah A. Wu*, Rose E. Wang*, James A. Evans, Joshua B. Tenenbaum, David C. Parkes, and Max Kleiman-Weiner. Too many cooks: Coordinating multi-agent collaboration through inverse planning. Talk at the *42nd Annual Meeting of the Cognitive Science Society (CogSci)*.

Sarah A. Wu, Ben Hayden, Alireza Soltani, and Alicia Izquierdo. Role of Anterior Cingulate Cortex in Evaluating Expected Uncertainty in Complex Learning Environments. Poster at the *2018 Amgen Scholars Symposium*.

Invited Talks Social and Cognitive Computational Neuroscience Lab, Boston College 2020

Teaching

Teaching Assistant

Stanford PSYCH 252 Statistical Methods for Social & Behavioral Sciences Winter 2022

Stanford PSYCH 251 Experimental Methods Fall 2021

Stanford SYMSYS 1 Minds and Machines Summer 2021

MIT 6.046 Design and Analysis of Algorithms Spring 2019, Fall 2019, Spring 2020

MIT 6.036 Introduction to Machine Learning Fall 2018

MIT 12.000 Solving Complex Problems (Terrascope) Fall 2017

Instructor, MIT Global Teaching Labs 2019

IIS Curie-Sraffa (STEM high school), Milan, Italy

Lab Assistant

MIT 6.042 Introduction to Discrete Mathematics Spring 2018

Service and Activities

Director of Mentor Recruitment; Mentor 2020 – Present

Future Advancers of Science and Technology (<https://fast.stanford.edu/>)

Graduate Representative Committee 2020 – Present

Psychology, Stanford University

Design Staff/Editor 2018 – 2020

MIT *Technique* vol. 134, 135, 136

Executive Officer 2018 – 2020

MIT Brain & Cognitive Sciences Society