

KELLY W. ZHANG
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<https://kellywzhang.github.io/>

EDUCATION

Harvard University , School of Engineering and Applied Sciences Computer Science, Ph.D. Advisors: Susan Murphy and Lucas Janson	Cambridge MA September 2018 - May 2023 (Expected)
New York University , College of Arts and Sciences Computer Science, BA; <i>summa cum laude</i> Advisors: Sam Bowman and Yann LeCun	New York, NY May 2018

HONORS

National Science Foundation GFRP Fellowship (Awarded in 2019)
Computer Science Prize for Academic Excellence in the Honors Program, New York University, 2018

PUBLICATIONS

Kelly W. Zhang, Lucas Janson, and Susan A. Murphy. “Statistical Inference with M-Estimators on Adaptively Collected Data.” *35th Conference on Neural Information Processing Systems (NeurIPS 2021)*.

Kelly W. Zhang, Lucas Janson, and Susan A. Murphy. “Inference for Batched Bandits.” *34th Conference on Neural Information Processing Systems (NeurIPS 2020)*.

Kelly W. Zhang, Omer Gottesman, and Finale Doshi-Velez. “A Bayesian Approach to Learning Bandit Structure in Markov Decision Processes.” *Challenges of Real-World Reinforcement Learning (NeurIPS 2020 Workshop)*.

Kelly W. Zhang and Samuel R. Bowman. “Language Modeling Teaches You More Syntax than Translation Does: Lessons Learned Through Auxiliary Task Analysis.” *BlackboxNLP 2018 (Workshop at Conference on Empirical Methods in Natural Language Processing)*.

Jake (Junbo) Zhao, Yoon Kim, **Kelly Zhang**, Alexander M. Rush, and Yann LeCun. “Adversarially Regularized Autoencoders.” *Thirty-fifth International Conference on Machine Learning (ICML 2018)*.

INVITED TALKS

Pennsylvania State University, Statistics Colloquium, November 2021

Pennsylvania State University, QuantDev Methodology Brown-Bag Seminar, November 2021

INFORMS Annual Meeting, Session on Advances in Causal Inference and Reinforcement Learning for the Online Service Industry, October 2021

London School of Hygiene and Tropical Medicine, Health Data Science Seminar Series, June 2021

Cambridge University, Medical Research Council Biostatistics Unit Seminar, April 2021

WORK EXPERIENCE

Facebook AI Research <i>Research Intern</i> Worked on sparse coding and text generation with Yann LeCun.	New York, NY May 2018 - August 2018
eBay <i>Software Engineering Intern on Recommendations Team</i> Worked on detecting “Not Suitable for Work” content, like nudity, in products sold on eBay to prevent these items from being recommended to users.	New York, NY May 2017 - August 2017

SERVICE

Reviewing: NeurIPS 2020, 2021; Challenges of Real World Reinforcement Learning NeurIPS 2020 Workshop.

Organizing Workshops: Machine Learning for Mobile Health Workshop at NeurIPS 2020; Causal Inference Challenges in Sequential Decision Making at NeurIPS 2021.

Mentoring: Harvard Women in STEM Mentorship Program.