

Hao Wu

GENERAL INFORMATION	Email: wu.hao10@northeastern.edu Homepage: hao-w.github.io	Phone: (+1) 206-369-8865 Github: hao-w
RESEARCH INTERESTS	Deep Probabilistic Models, Bayesian Inference, Probabilistic Programming	
EDUCATION	Ph.D in Computer Science Northeastern University , <i>Boston, MA</i> Sep. 2017 - Present Supervisor: Jan-Willem van de Meent M.Sc in Computer Science, GPA: 3.80/4.00 University of Virginia , <i>Charlottesville, VA</i> 2015 - 2016 M.Sc in Applied Mathematics, GPA: 3.73/4.00 University of Washington , <i>Seattle, WA</i> Sep. 2014 - Jun. 2015 B.S in Mathematics, GPA: 3.81/4.00 Sichuan University , <i>Chengdu, China</i> Sep. 2010 - Jul. 2014	
PUBLICATIONS	Hao Wu , Heiko Zimmermann, Eli Sennesh, Tuan-Anh Le, Jan-Willem van de Meent. Amortized Population Gibbs Samplers with Neural Sufficient Statistics. <i>ICML</i> , 2020. Babak Esmaeili, Hao Wu , Sarthak Jain, Aican Bozkurt, N. Siddharth, Brooks Paige, Dana H. Brooks, Jennifer Dy, Jan-Willem van de Meent. Structured Disentangled Representations. <i>AISTATS</i> , 2019. Eli Sennesh, Adam Ścibior, Hao Wu , Jan-Willem van de Meent. Composing Modeling and Inference Operations with Probabilistic Program Combinators. <i>NeurIPS Bayesian Nonparametrics Workshop</i> , 2018.	
INDUSTRY EXPERIENCE	Research Assistant Intern Oracle , <i>Burlington, MA</i> Jun. 2020 - Aug. 2020 Developed a new class of energy-based models to learn structured representations of image data. Paper has been submitted to AISTATS. Associate Software Engineer MicroStrategy , <i>Tysons, VA</i> Jan. 2017 - Jun. 2017 Developed statistical modeling tools for BI software to analyze user activity	
SKILLS	Computer Programming: Python, Java, Matlab, R Operating Systems: Linux, Windows	