

## Shari Liu

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EDUCATION **Harvard University**  
Ph.D. in Psychology (2016-present)  
A.M. in Psychology (2014-2016)

**Dartmouth College**  
A.B. in Psychology, *summa cum laude* (2010-2014)

### Publications

JOURNAL ARTICLES **Liu, S.**, Ullman, T. D., Tenenbaum, J. B., & Spelke, E. S. (2017). Ten-month-old infants infer the value of goals from the costs of actions. *Science*, 358(6366), 1038-1041.

**Liu, S.**, & Spelke, E. S. (2017). Six-month-old infants expect agents to minimize the cost of their actions. *Cognition*, 160, 35-42.

Parkinson, C., **Liu, S.**, & Wheatley, T. (2014). A common cortical metric for spatial, temporal, and social distance. *The Journal of Neuroscience*, 34(5), 1979-1987.

REFEREED CONFERENCE PROCEEDINGS **Liu, S.**, Ullman, T. D., Tenenbaum, J. B., & Spelke, E. S. (2017). What's worth the effort: Ten-month-old infants infer the value of goals from the costs of actions. *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*.

UNDER REVIEW & IN PREPARATION **Liu, S.**, \*Gonzalez, G., & Warneken, F. (Forthcoming). Worth the wait: Children trade off delay and reward in self- and other-benefiting decisions. *Developmental Science*.

**Liu, S.**, Brooks, N. B. & Spelke, E. S. (In prep). Pre-reaching, untrained infants expect causal agents to reach efficiently.

**Liu, S.**, & Warneken, F. (In prep). Rational optimism in children's social reasoning.

\* = student advisee

### Conference Presentations

ORAL PRESENTATIONS **Liu, S.**, Ullman, T. D., Tenenbaum, J. B., & Spelke, E. S. (July 2018). Infants use risk and effort to infer what agents value. Symposium to be conducted at the biennial meeting of the *International Congress on Infant Studies (ICIS)*, Philadelphia, PA, USA.

**Liu, S.**, Ullman, T. D., Tenenbaum, J. B., & Spelke, E. S. (July 2017). What's worth the effort: Ten-month-old infants infer the value of goals from the costs of actions. Slide session conducted at the 39th annual meeting of the *Cognitive Science Society*, London, UK.

**Liu, S.**, \*Gonzalez, G., & Warneken, F. (April 2017). Children weigh the costs and rewards in altruistic decision-making. In *Children's Reasoning about the Costs and Rewards of Prosocial Decisions*. Symposium conducted at the biennial meeting of the *Society for Research in Child Development (SRCD)*, Austin, TX, USA.

Parkinson, C., **Liu, S.**, & Wheatley, T. (April 2013). A common cortical metric for spatial, temporal and social distance. In *Social Networks & Reward*. Symposium conducted at the annual meeting of the *Social & Affective Neuroscience Society (SANS)*, San Francisco, CA, USA.

Parkinson, C., **Liu, S.**, & Wheatley, T. (December 2012). The neural representation of psychological distance. Slide session conducted at the *Harvard University Social Brain Sciences Symposium*, Cambridge, USA.

POSTER  
PRESENTATIONS

**Liu, S.**, \*Aguirre, A., Cushman F. A., Gershman, S. J., Kool, W., and Spelke, E. S. (October 2017). Children's sensitivity to the cost of action selection. Poster presented at the biennial meeting of the *Cognitive Development Society (CDS)*, Portland, OR, USA.

**Liu, S.**, Ullman, T. D., Tenenbaum, J. B., & Spelke, E. S. (April 2017). Ten-month-old infants infer value from effort. Poster presented at the biennial meeting of the *Society for Research in Child Development (SRCD)*, Austin, TX, USA.

**Liu, S.**, Brooks, N. B., & Spelke, E. S. (May 2016). Pre-reaching infants expect causal agents to act efficiently without motor training. Poster presented at the biennial *International Conference on Infant Studies (ICIS)*, New Orleans, LA.

**Liu, S.**, & Spelke, E. S. (January 2016). Continuous representations of action efficiency in infancy. Poster presented at the *CEU Conference on Cognitive Development (BCCCD16)*, Budapest, Hungary.

**Liu, S.**, & Spelke, E. S. (October 2015). Six-month-old infants represent action efficiency on a continuous scale. Poster presented at the biennial meeting of the *Cognitive Development Society (CDS)*, Columbus, OH, USA.

**Liu, S.**, & Warneken, F. (October 2015). Rational optimism in children's social reasoning. Poster presented at the biennial meeting of the *Cognitive Development Society (CDS)*, Columbus, OH, USA.

Parkinson, C., **Liu, S.**, & Wheatley, T. (April 2013). A common neural encoding of spatial and semantic distance. Poster presented at the annual meeting of the *Cognitive Neuroscience Society (CNS)*, San Francisco, USA.

Parkinson, C., **Liu, S.**, & Wheatley, T. (October 2012). Multivoxel pattern analysis reveals a domain-general neural encoding of psychological distance. Poster presented at the annual meeting of the *Society for Neuroscience (SfN)*, New Orleans, USA.

Parkinson, C., **Liu, S.**, & Wheatley, T. (October 2012). Multivoxel pattern analysis reveals a domain-general neural encoding of psychological distance. Poster presented at the annual meeting of the *Society for Social Neuroscience (SfN satellite event)*, New Orleans, USA.

Honors and  
Awards

	2017	Cognitive Science Society Student Travel Award
	2017	Society for Research in Child Development Student Travel Award
	2016-19	National Science Foundation Graduate Research Fellowship
	2016	Restricted Funds Travel Grant, Harvard University
	2014	Stimson Research Grant, Harvard University
	2014	Phi Beta Kappa, Dartmouth College
	2014	Escobosa Family Honors Thesis Prize in Psychology, Dartmouth College
	2014	Nickerson 1964 Psychological and Brain Sciences Prize, Dartmouth College
	2014	James O. Freedman Presidential Scholar, Dartmouth College
	2014	Honorable Mention, NSF Graduate Research Fellowship
<b>Research Talks</b>	2018	Visual Attention Lab, Harvard Medical School
	2018	Laboratory for Developmental Studies Seminar, Harvard
	2017	Early Childhood Cognition Lab, MIT
	2017	Cognition, Brain and Behavior Research Seminar, Harvard
	2017	Laboratory for Developmental Studies Seminar, Harvard
	2016	Boston Area Psychology Graduate Student Symposium, Northeastern
	2016	Center for Brain Minds and Machines Annual Retreat, MIT
	2016	Laboratory for Developmental Studies Seminar, Harvard
	2016	Boston Area Moral Cognition Group, Harvard
	2015	Laboratory for Developmental Studies Seminar, Harvard
<b>Students Advised</b>		Aracely Aguirre (Harvard, Spring 2015-2017)
		Amelia Andrews (Tufts, Spring-Summer 2017)
		Hannah Becker (Washington University in St. Louis, Summer 2015)
		Spencer Daus-Haberle (Bates, Summer 2016)
		Daisy Evariz (Harvard, Spring 2018)
		Gorana Gonzalez (University of Florida, Fall 2015)
		Caroline Kerwin (Harvard, Fall 2015-Fall 2017)
		Chrystal Spencer (Rutgers, Summer 2017)
		Akshita Srinivasan (University of Hyderabad, Summer 2017-present)
		Connie Wong (University of Pennsylvania, Summer 2015)
<b>Teaching</b>	2018	Teaching Fellow, Social Psychology (Harvard PSY 15)
	2017	Co-Supervisor, Independent Research (Harvard PSY 910r)
	2014-18	Guest Lecturer, Laboratory in Early Cognitive Development (Harvard PSY 1652r)
<b>Professional Service</b>		Reviews: <i>Journal of Emerging Investigators</i> , <i>Trends in Cognitive Sciences</i> , <i>Developmental Science</i> , <i>Cognitive Science Society</i>
<b>Technical Skills</b>		<b>Programming:</b> R, Python, C, JavaScript
		<b>Statistics:</b> R, SPSS
		<b>Graphics:</b> Illustrator, Blender