

# Siddharth G. Reddy

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CONTACT	<p>sgr@berkeley.edu <a href="http://siddharth.io">http://siddharth.io</a></p>
EDUCATION	<p><b>University of California, Berkeley</b> Ph.D. in Computer Science, 2017 - Present, GPA: 3.91</p> <p><b>Cornell University</b>, Ithaca, New York B.S. in Computer Science, Graduated 2017, Cum Laude</p> <p><b>Phillips Exeter Academy</b>, Exeter, New Hampshire High School Diploma, Graduated 2013, Highest Honors</p>
AWARDS	<p>NVIDIA Graduate Research Fellowship (2019-2020)</p> <p>INFORMS Undergraduate Operations Research Prize (2017)</p> <p>John S. Knight Institute Expository Writing Prize (2017)</p> <p>Hunter R. Rawlings III Cornell Presidential Research Scholarship (2013-2016)</p>
PROFESSIONAL EXPERIENCE	<p><b>DeepMind</b>, London, UK <i>Ph.D. Intern</i> <span style="float: right;"><b>May 2019 - August 2019</b></span> Collaborated with Jan Leike and the Technical AGI Safety team on an algorithm for reinforcement learning from human feedback. Published a conference paper at ICML 2020.</p> <p><b>Palantir</b>, Palo Alto, CA <i>Machine Learning Software Engineering Intern</i> <span style="float: right;"><b>June 2016 - August 2016</b></span> Collaborated with the Delta Sierra team to develop software tools for entity resolution and de-duplication.</p> <p><b>Knewton</b>, New York, NY <i>Data Science Intern</i> <span style="float: right;"><b>May 2014 - October 2015</b></span> Collaborated with Kevin Wilson and Chaitanya Ekanadham on mathematical models for profiling student behavior and recommending personalized content in online courses. Published workshop papers at ICML 2015 and Learning at Scale 2016.</p>
RESEARCH EXPERIENCE	<p><b>Berkeley Artificial Intelligence Research Lab</b>, Berkeley, CA <i>Graduate Student Researcher</i> <span style="float: right;"><b>July 2017 - Present</b></span> Collaborating with Anca Dragan and Sergey Levine on projects at the intersection of machine learning, robotics, and cognitive science. Published conference papers at RSS 2018, NeurIPS 2018, and ICLR 2020.</p> <p><b>Machine Learning Research Group, Cornell University</b>, Ithaca, NY <i>Undergraduate Researcher</i> <span style="float: right;"><b>September 2014 - May 2017</b></span> Collaborated with Thorsten Joachims, Siddhartha Banerjee, and Igor Labutov on the Leitner Queue Network, a mathematical framework for spaced repetition that combines ideas from queueing theory and psychology to optimize review scheduling in flashcard software. Published a conference paper at KDD 2016.</p>
SELECTED PUBLICATIONS	<p>Siddharth Reddy, Anca D. Dragan, Sergey Levine, Shane Legg, Jan Leike, <i>Learning Human Objectives by Evaluating Hypothetical Behavior</i>, International Conference on Machine Learning (ICML), 2020.</p> <p>Siddharth Reddy, Anca D. Dragan, Sergey Levine, <i>SQIL: Imitation Learning via Reinforcement Learning with Sparse Rewards</i>, International Conference on Learning Representations (ICLR), 2020.</p> <p>Siddharth Reddy, Anca D. Dragan, Sergey Levine, <i>Where Do You Think You're Going?: Inferring Beliefs about Dynamics from Behavior</i>, Neural Information Processing Systems (NeurIPS), 2018.</p> <p>Siddharth Reddy, Anca D. Dragan, Sergey Levine, <i>Shared Autonomy via Deep Reinforcement Learning</i>, Robotics: Science and Systems (RSS), 2018.</p> <p>Siddharth Reddy, Igor Labutov, Siddhartha Banerjee, Thorsten Joachims, <i>Unbounded Human Learning: Optimal Scheduling for Spaced Repetition</i>, ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD), 2016.</p>