

# Jacob Buckman

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Education	<b>PhD in Computer Science</b> JOHNS HOPKINS UNIVERSITY	2018 - Present Baltimore, MD
	<b>M.S. in Language Technologies</b> CARNEGIE MELLON UNIVERSITY	2016 - 2017 Pittsburgh, PA
	<b>B.S. in Computer Science (Minor Philosophy)</b> CARNEGIE MELLON UNIVERSITY	2013 - 2017 Pittsburgh, PA
Employment	<b>AI Resident</b> GOOGLE BRAIN	2017 - 2018 San Francisco, CA
	<b>Founder/Owner &amp; Educational Director</b> STONEHILL SAT TUTORING	2011 - 2018 Freehold, NJ
	<b>Data Science Intern</b> RIOT GAMES; MICROSOFT RESEARCH	Summer 2014; Summer 2016 Santa Monica, CA; Cambridge, MA
Publications	<b>DeepMDP: Learning Continuous Latent Space Models for Representation Learning</b> Carles Gelada, Saurabh Kumar, Jacob Buckman, Ofir Nachum, Marc Bellemare. In <i>The Thirty-sixth International Conference on Machine Learning</i> . Long Beach, California. <a href="https://arxiv.org/abs/1906.02736">https://arxiv.org/abs/1906.02736</a>	June 2019
	<b>Sample-efficient Reinforcement Learning with Stochastic Ensemble Value Expansion</b> Jacob Buckman, Danijar Hafner, George Tucker, Eugene Brevdo, Honglak Lee. In <i>Thirty-second Conference on Neural Information Processing Systems</i> . Montreal, Canada. <a href="https://arxiv.org/abs/1807.01675">https://arxiv.org/abs/1807.01675</a> ORAL PRESENTATION	December 2018
	<b>Neural Lattice Language Models</b> Jacob Buckman, Graham Neubig. In <i>Transactions of the Association for Computational Linguistics</i> . Volume 6, pg 529-541. <a href="https://www.transacl.org/ojs/index.php/tacl/article/view/1261">https://www.transacl.org/ojs/index.php/tacl/article/view/1261</a>	August 2018
	<b>Is Generator Conditioning Causally Related to GAN Performance?</b> Augustus Odena, Jacob Buckman, Catherine Olsson, Tom B. Brown, Christopher Olah, Colin Raffel, Ian Goodfellow. In <i>The Thirty-fifth International Conference on Machine Learning</i> . Stockholm, Sweden. <a href="http://proceedings.mlr.press/v80/odena18a.html">http://proceedings.mlr.press/v80/odena18a.html</a>	July 2018
	<b>Thermometer Encoding: One Hot Way to Resist Adversarial Examples</b> Jacob Buckman, Aurko Roy, Colin Raffel, Ian Goodfellow. In <i>The Sixth International Conference on Learning Representations</i> . Vancouver, Canada. <a href="https://openreview.net/forum?id=S18Su-CW">https://openreview.net/forum?id=S18Su-CW</a>	April 2018
	<b>Transition-Based Dependency Parsing with Heuristic Backtracking</b> Jacob Buckman, Miguel Ballesteros, and Chris Dyer. In <i>Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing</i> . Austin, Texas. <a href="https://aclweb.org/anthology/D16-1254">https://aclweb.org/anthology/D16-1254</a> ORAL PRESENTATION	November 2016
Honors and Awards	University Honors	Carnegie Mellon, 2017
	Senior Leadership Award	Carnegie Mellon, 2017
	Phi Beta Kappa	2017 - Present
	Yahoo! Scholar	2015 - 2017
	Yahoo! First Prize	CMU Meeting of the Minds, 2015