Jacob Buckman

LOCATION Montreal, QC, Canada **EMAIL** jacobbuckman@gmail.com **WEBSITE** jacobbuckman.com

Education	**PhD in Computer Science**	2020 - Present
	MCGILL UNIVERSITY (MILA)	Montreal, QC, Canada
	M.S. in Language Technologies	2016 - 2017
	CARNEGIE MELLON UNIVERSITY	Pittsburgh, PA
	B.S. in Computer Science (Minor Philosophy)	2013 - 2017
	CARNEGIE MELLON UNIVERSITY	Pittsburgh, PA
Employment	**AI Resident**	2017 - 2018
	GOOGLE BRAIN	San Francisco, CA
	Founder/Owner & Educational Director	2011 - 2018
	STONEHILL SAT TUTORING	Freehold, NJ
	Data Science Intern	Summer 2014; Summer 2016
	RIOT GAMES; MICROSOFT RESEARCH	Santa Monica, CA; Cambridge, MA

Publications

DeepMDP: Learning Continuous Latent Space Models for Representation Learning June 2019
Carles Gelada, Saurabh Kumar, Jacob Buckman, Ofir Nachum, Marc Bellemare. In *The Thirty-sixth International Conference on Machine Learning*. Long Beach, California. https://arxiv.org/abs/1906.02736

Sample-efficient Reinforcement Learning with Stochastic Ensemble Value Expansion December 2018
Jacob Buckman, Danijar Hafner, George Tucker, Eugene Brevdo, Honglak Lee. In *Thirty-second Conference on Neural Information Processing Systems*. Montreal, Canada. https://arxiv.org/abs/1807.01675
ORAL PRESENTATION

Neural Lattice Language Models August 2018
Jacob Buckman, Graham Neubig. In *Transactions of the Association for Computational Linguistics*. Volume 6, pg 529-541. https://www.transacl.org/ojs/index.php/tacl/article/view/1261

Is Generator Conditioning Causally Related to GAN Performance? July 2018
Augustus Odena, Jacob Buckman, Catherine Olsson, Tom B. Brown, Christopher Olah, Colin Raffel, Ian Goodfellow. In *The Thirty-fifth International Conference on Machine Learning*. Stockholm, Sweden. http://proceedings.mlr.press/v80/odena18a.html

Thermometer Encoding: One Hot Way to Resist Adversarial Examples April 2018
Jacob Buckman, Aurko Roy, Colin Raffel, Ian Goodfellow. In *The Sixth International Conference on Learning Representations*. Vancouver, Canada. https://openreview.net/forum?id=S18Su–CW

Transition-Based Dependency Parsing with Heuristic Backtracking November 2016
Jacob Buckman, Miguel Ballesteros, and Chris Dyer. In *Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing*. Austin, Texas. https://aclweb.org/anthology/D16-1254
ORAL PRESENTATION

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