

## Ayoub El Hanchi

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EDUCATION	Ph.D. Computer Science	2021-Present
	Supervisors: Prof. Chris J. Maddison and Prof. Murat A. Erdogdu	
	University of Toronto, Toronto, ON	
	M.Sc. Mathematics and Statistics	2019-2021
	Supervisor: Prof. David A. Stephens	
	McGill University, Montreal, QC	
	B.Sc. Honours Mathematics and Computer Science	2016-2019
	McGill University, Montreal, QC	
PUBLISHED ARTICLES	1. <b>El Hanchi, Ayoub</b> , Chris J. Maddison, and Murat A. Erdogdu. <a href="#">On the Efficiency of ERM in Feature Learning</a> . In Advances in Neural Information Processing Systems, <b>NeurIPS 2024</b> .	
	2. <b>El Hanchi, Ayoub</b> , Chris J. Maddison, and Murat A. Erdogdu. <a href="#">Minimax Linear Regression under the Quantile Risk</a> . In Annual Conference on Learning Theory, <b>COLT 2024</b> .	
	3. <b>El Hanchi, Ayoub</b> , and Murat A. Erdogdu. <a href="#">Optimal Excess Risk Bounds for Empirical Risk Minimization on <math>p</math>-Norm Linear Regression</a> . In Advances in Neural Information Processing Systems, <b>NeurIPS 2023</b> .	
	4. Johnson, Daniel D., <b>Ayoub El Hanchi</b> , and Chris J. Maddison. <a href="#">Contrastive Learning Can Find an Optimal Basis for Approximately View-invariant Functions</a> . In The International Conference on Learning Representations, <b>ICLR 2023</b> .	
	5. <b>El Hanchi, Ayoub</b> , David A. Stephens, and Chris J. Maddison. <a href="#">Stochastic Reweighted Gradient Descent</a> . In The International Conference on Machine Learning, <b>ICML 2022</b> .	
	6. <b>El Hanchi, Ayoub</b> , and David A. Stephens. <a href="#">Adaptive Importance Sampling for Finite-sum Optimization and Sampling with Decreasing Stepsizes</a> . In Advances in Neural Information Processing Systems, <b>NeurIPS 2020</b> .	
AWARDS	Ontario Graduate Scholarship	2021-2022
	Departmental Entrance Scholarship	2021
	Science Undergraduate Research Award	2018
SERVICE	Reviewer for ICML 2021, NeurIPS 2021, AISTATS 2022, NeurIPS 2024. Invited Talk at the McGill Artificial Intelligence Society, 2019.	