Zizhao Chen

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Interests	Natural language processing.	
Education	**Ph.D. in Computer Science**, Cornell University, NY, USA	Since 2024
	B.A.Sc. in Engineering Science, University of Toronto, ON, Canada Major in Robotics. High Distinction. Dean's Honor List. cGPA 3.9/4.0.	2018 - 2022
Research Experience	**Research Assistant**, Cornell Tech Supported by Professor Yoav Artzi.	2023
	Research Assistant, UofT & Vector Institute Extended reward machines for safe reinforcement learning under uncertainty. Supported by Andrew Li and Professor Sheila McIlraith.	2022
	Research Assistant, UofT & Vector Institute Created tree-based demonstrations in Dex, an array programming language. Supported by Professor David Duvenaud.	2021 - 2022
Industry Experience	**Software Engineer**, Google, Cloud Platform	2022 - 2023
	Software Engineering Intern, Google, YouTube	2020
Publications	**Z. Chen**, M O. Gul, Y. Chen, G. Geng, A. Wu, Y. Artzi. "Retrospective Learning from Interactions", under review. [Online]	
	A C. Li, **Z. Chen**, T Q. Klassen, P. Vaezipoor, R. Toro Icarte, S A. McIlraith, "Reward Machines for Deep RL in Noisy and Uncertain Environments", NeurIPS, Dec 2024. [Online]	
	A C. Li*, **Z. Chen***, P. Vaezipoor, T Q. Klassen, R. Toro Icarte, S A. McIlraith, "Noisy Symbolic Abstractions for Deep RL: A case study with Reward Machines", NeurIPS Deep RL Workshop, Dec 2022. [Online]	
	Z. Chen*, H. Wang*, C. Yeh*, and X. Liu, "Classify Respiratory Abnormality in Lung Sounds Using STFT and a Fine-Tuned ResNet18 Networt", IEEE Biomedical Circuits and Systems Conference, Oct 2022. Third Place. [Online]	

Awards	University Fellowship (20% incoming Ph.D. students)	2023
	EngSci Award of Excellence (3.9 cGPA or higher)	2022
	University of Toronto Excellence Award (3 in major)	2021, 2022
	Wallberg Undergraduate Scholarship (top 3 in major)	2020
	Laidlaw Research and Leadership Scholarship (21 in Canada)	2019 - 2020
Teaching	TA ESC190 Computer Algorithms and Data Structures	2021 - 2022
	TA ESC180 Introduction to Programming	2021 - 2022
	TA CSC148 Introduction to Computer Science	2021