Aida Ramezani

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Education

2020 - August 2025 (PhD)	Computer Science at **University of Toronto**.
Supervisor:	Professor Yang Xu
Research focus:	Natural language processing, Morality, Computational social science, AI ethics, Cultural analytics
2016 - 2020 (B.Sc.)	Computer Engineering at **Sharif University of Technology**.
GPA:	18.92/20.0

Awards

Cognitive Science Society Disciplinary Diversity and Integration Award	2024
Schwartz Reisman Institute for Technology and Society Graduate Affiliation	2022 – 2025
Schwartz Reisman Institute for Technology and Society Graduate Fellowship	2021 – 2022
University of Toronto, Recognition Of Excellence Award	2020

Publications

Ramezani, A., Stellar, J. E., Feinberg, M., & Xu, Y. (under-review). Historical reconstruction of human moralization.

Zhu W., Ramezani A., & Xu, Y. Visual moral inference and communication. (2025). *Proceedings of the Annual Meeting of the Cognitive Science Society,* (47).

Ramezani, A., Stellar, J. E., Feinberg, M., & Xu, Y. (2024). Evolution of the moral lexicon.*Open Mind*, 8 1153–1169.

Ramezani, A., Liu, E., Lee, S. W. S., & Xu, Y. (2024). Quantifying the emergence of moral foundational lexicon in child language development. *PNAS Nexus*, 3 (8).

Ramezani, A., & Xu, Y. (2024). Moral association graph: A cognitive model for automated moral inference [**Disciplinary Diversity and Integration Award**]. *Topics in Cognitive Science*, shorter version appeared in *Proceedings of the Annual Meeting of the Cognitive Science Society*, (46).

Ramezani, A., & Xu, Y. (2023). Knowledge of cultural moral norms in large language models. *Proceedings of the 61th Annual Meeting of the Association for Computational Linguistics*.

Ramezani, A., Liu, E., Ferreira Pinto Junior, R., Lee, S. W., & Xu, Y. (2022). The emergence of moral foundations in child language development. *Proceedings of the Annual Meeting*

of the Cognitive Science Society, (44).

Ramezani, A., Stellar, J. E., Feinberg, M., & Xu, Y. (2022). Evolution of moral semantics through metaphorization. *Proceedings of the Annual Meeting of the Cognitive Science Society*, (44).

Ramezani, A., Zhu, Z., Rudzicz, F., & Xu, Y. (2021). An unsupervised framework for tracing textual sources of moral change. *Findings of the Association for Computational Linguistics: EMNLP 2021*.

Work Experience

Research intern at Microsoft + Nuance May 2023 - July 2023

Skills

Machine learning	PyTorch, transformers, huggingface, NumPy, Pandas, SciPy, statsmodels, Scikit-learn, PyG, Weights & Biases, RL4LM, JAX
Data science	R, Data visualization
Programming	Python, Linux, Java, LaTeX, Markdown, C

Talks and presentations

AI and reconstruction of human morals through text
Poster presentation, Mila 2024 workshop on "NLP in the era of generative AI, cognitive sciences, and societal transformation"

Moral association graph: A cognitive model for moral inference
Oral presentation, CogSci 2024

The emergence of the moral foundational lexicon in child language development
Moral Language Workshop, Institut Jean Nicod, December 2023

Machine inference of moralization across timescales
Morality Lab, Department of Psychology, University of Toronto, November 2023

Moral norm variation in large language models
ARIA 2023, University of Toronto, November 2023

Knowledge of cultural moral norms in large language models
Poster presentation, ACL 2023

The emergence of moral foundations in child language development
Oral presentation, CogSci 2022

Evolution of moral semantics through metaphorization
Poster presentation, CogSci 2022

Teaching

Neural networks and deep learning, Lead TA, University of Toronto, Fall 2024

Neural networks and deep learning, TA, University of Toronto, Winter 2024

Natural language computing, TA, University of Toronto, Winter 2023, Winter 2024

Computational linguistics, TA, University of Toronto, Fall 2023

Introduction to computer programming, TA, University of Toronto, Summer 2022

Computational models of semantic change, TA, University of Toronto, Winter 2022

Introduction to artificial intelligence, TA, University of Toronto, Winter 2021, Fall 2022

Foundations of computer science, TA, University of Toronto, Fall 2021

Mentorship and Volunteering

Mentorship at Fields Institute June 2025 - July 2025
Mentoring three undergraduate students working on computational models of cross-cultural moral cognition.

Mentorship January 2025 - present
Mentoring a computer science undergraduate student working on NLP for moral character inference.

Mentorship January 2024 - December 2024
Mentoring a computer science master's student working on vision-based moral inference.

CL Colloquium January 2024 - April 2024
Co-organizing the Computational Linguistics speaker series.

PRISM January 2024 - March 2024
Providing research mentorship to a group of 5 undergraduate computer science students.

Science Rendezvous May 2024, May 2023
Co-organizing youth-outreach programs about AI safety and ethics.

Mentorship June 2022 - August 2022
Mentoring a computer science undergraduate student working on moral semantic change.

Mentorship June 2021 - August 2021
Mentoring a computer science undergraduate student working on moral language development.