Ada Tur

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Education

McGill University — Montreal, QC
Bachelor of Arts in Computer Science and Linguistics — *Aug 2022 – May 2026*

Work Experience

Research Intern — May 2024 – Present
McGill NLP Lab / MILA Quebec AI Institute — *Montreal, QC*

- Research on linguistic behaviors in LLMs, particularly post-verbal constituent movement, currently under review.
- Current project in progress is a safety benchmark for web agents, focusing on ethical AI practices and agent jailbreaking robustness in multimodal settings. In collaboration with Anthropic.

President — Aug 2023 – Present
McGill Artificial Intelligence Society — *Montreal, QC*

- Overseeing teams organizing AI hackathons, learnathons, and podcasts, collaborating with Montreal-based AI organizations, as well as developing AI community for McGill students and Montreal researchers.
- Previously led the podcast team in conducting interviews with AI professionals and managing audio production.

Research Intern — Jan 2023 – Jan 2024
MILA Quebec AI Institute — *Montreal, QC*

- Developed a pipeline combining automatic speech recognition with instruction-tuned language modeling, improving recognition accuracy by 5-25%.
- First author on paper "ProGRes: Prompted Generative Rescoring on ASR n-Best".

Research Intern — Jan 2021 – Nov 2022
University of Southern California Institute for Creative Technologies — *Playa Vista, CA*

- Assisted in adapting LLMs for domain-specific human-robot interaction in military projects.
- First author on paper "Comparing Approaches to Language Understanding for Human-Robot Dialogue: An Error Taxonomy and Analysis".

Research Intern — Jun 2020 – May 2021
CYVision — *Palo Alto, CA*

- Fine-tuned an image model for pupil detection in heads-up displays for driving assistance.
- First author on paper "ML-Based Eye Tracking for Augmented Reality Heads-Up Displays (AR HUDs)".

Publications

- Ada D. Tur, Gaurav Kamath, Siva Reddy, *Language Models Largely Exhibit Human-like Constituent Ordering Preferences*, Under Review
- Ada D. Tur, Adel Moumen, Mirco Ravanelli, *ProGRes: Prompted Generative Rescoring on ASR n-Best*, IEEE Spoken Language Technology Workshop, 2024.
- Ada Tur, *Deep Learning for Style Transfer and Experimentation With Audio Effects and Music Creation*, Proceedings of the AAAI Conference on Artificial Intelligence, Undergraduate Consortium, March 24, 2024, Vancouver, British Columbia, Canada.
- Ada D. Tur, Julia Hirschberg, *President Botrick: An Analysis of Deep Learning-Based Conversational AI Models to Identify and Create Influential Political Speeches*, AAAI Workshop for AI and Diplomacy, February 7-14, 2023, Washington D.C., USA.
- Ada D. Tur, David R. Traum, *Comparing Approaches to Language Understanding for Human-Robot Dialogue: An Error Taxonomy and Analysis*, Proceedings of the 13th Conference on Language Resources and Evaluation (LREC 2022), June 20-25, 2022, Marseille, France.
- Ada Defne Tur, Deniz Yaralioglu, Cemalettin Yilmaz, *ML-Based Eye Tracking for Augmented Reality Heads-Up Displays (AR HUDs)*, Society for Information Display (SID) Display Week, May 17-21, 2021.

Honors and Awards

Anthropic Benchmark Development Grant 2024: Awarded for proposal on benchmarking autonomous web agents to malicious user instruction.

AAAI-UC Scholar 2024: Awarded by the Association for the Advancement of AI for a project proposal on Deep Learning for Style Transfer and Experimentation with Audio Effects and Music Creation, utilizing digital signal processing, natural language processing, and deep learning.

Presentations

Mila Workshop on NLP, 2024, *poster*

McGill Undergraduate Computer Science Research Symposium (UCORE), 2024, *poster*

AAAI, 2024, *poster*

AAAI Workshop for AI and Diplomacy, 2023, *oral*

Reviewer Work

ICASSP Explainable Machine Learning for Speech and Audio Workshop, 2024

NeurIPS Datasets and Benchmarks Track, 2024

ACL Rolling Review (ARR), 2024

Harms and Risks of AI in the Military Workshop, 2024

Montreal AI Symposium, 2024

Relevant Coursework

Large Language Modesl (grad-level), Natural Language Understanding with Deep Learning (grad-level), Natural Language Processing (grad-level), Computational Linguistics, From Natural Language to Data Science

Technical Skills

Programming Languages: Python, Java, C, Bash, OCaml, Clojure

Spoken Languages: English (native), Turkish (fluent), French (intermediate)