

Daria Kryvosheieva

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Education

Massachusetts Institute of Technology

B.S. in Artificial Intelligence and Decision Making, B.S. in Linguistics | GPA: 5.0/5.0

2023—2027

– *Selected Coursework*: Fundamentals of Programming, Mathematics for Computer Science, Introduction to Low-Level Programming in C and Assembly, Machine Learning for Molecular Design, Multivariable Calculus, Language Acquisition

Experience

Undergraduate Researcher — MIT Computational Psycholinguistics Laboratory

Jan 2024—present

Working with Prof. Roger Levy on using mechanistic interpretability methods to discover neuron circuits and sparse feature circuits for a variety of linguistic tasks in multilingual LLMs.

Projects

Descry — OCR for low-resource writing systems

Sep 2023—present

github.com/dariakryvosheieva/descry | Tensorflow, Flask

A family of CNNs capable of recognizing letters of the Adlam, N’Ko, and Kayah Li alphabets.

Tone.me — Mandarin Chinese tone corrector

Oct—Dec 2023

[github.com/tone-me/tone-me](https://github.com/dariakryvosheieva/tone-me) | Hugging Face, pydub, Next.js

A web app that helps learners of Mandarin Chinese improve their pronunciation of tones.

Volunteering

Linguistics Olympiads Problem Committee Member

- *Ukrainian Linguistics Olympiad (11th edition)*

Aug 2023—present

Created a problem on Kyrgyz nouns. Co-authored a problem on Kalkatungu morphosyntax.

- *Hong Kong Linguistics Olympiad (5th edition)*

Feb 2023

Tested the problem set and suggested edits.

- *Online Linguistics Olympiad (3rd edition)*

Oct 2022—Feb 2023

Created an interactive problem on the verbal morphology of Wyandot. Translated the problem set into Ukrainian, Russian, and German and graded contestants’ answers in these languages. Wrote announcements for the competition’s website and Facebook page.

Awards

International Linguistics Olympiad

Gold (2023 & 2021), Silver (2022), Bronze (2019)

Asia-Pacific Linguistics Olympiad

Gold (2022 & 2019), Silver (2023 & 2020), Bronze (2021)

North American Computational Linguistics Open Competition

4th rank (2021)

Internationale Deutscholympiade

2nd rank in the B2 division (2020)

Languages

Ukrainian: native; **Russian**: native; **English**: IELTS 8.5 (2022); **German**: ÖSD Zertifikat C1 (2020)