Daria Kryvosheieva

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Education

Massachusetts Institute of Technology
B.S. in Artificial Intelligence and Decision Making, B.S. in Linguistics .... 2023—2027
– *Relevant Coursework*: Machine Learning for Molecular Design, Mathematics for Computer Science, Fundamentals of Programming, Introduction to Low-Level Programming in C and Assembly, Language Acquisition [full coursework]

Experience

Undergraduate Researcher — MIT Computational Psycholinguistics Laboratory .... Jan 2024—present
Working with Prof. Roger Levy on targeted evaluation of the grammatical capabilities of multilingual LLMs, focusing on low-resource languages and grammatical phenomena absent in English.

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 2023—Dec 2023
github.com/tone-me/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/corrections.

- *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)