Lindia Tjuatja

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RESEARCH INTERESTS	Computational semantics/pragmatics and psycholinguistics, syntax-semantics interface, NLP for underrepresented and endangered languages

EDUCATION

Carnegie Mellon University, Pittsburgh, PA · August 2022-
Ph.D. in Language Technologies, School of Computer Science
Advisor: Graham Neubig

University of Texas at Austin, Austin, TX · May 2022
B.S. Electrical and Computer Engineering Honors
B.A. Linguistics

AWARDS

- Dean's Distinguished Graduate (UT College of Liberal Arts) · May 2022
- Darrel K. Royal Presidential Scholarship (UT Linguistics) · 2021-2022
- T.J. Whaley Scholarship (Cockrell School of Engineering) · 2018-2022

PUBLICATIONS

Lindia Tjuatja, Emmy Liu, Lori Levin, and Graham Neubig. 2023.
Syntax and Semantics Meet in the "Middle": Probing the Syntax-Semantics Interface
 of LMs Through Agentivity
In Proceedings of the 12th Joint Conference on Lexical and Computational Semantics.

Taiqi He*, **Lindia Tjuatja***, Nathaniel Robinson, Shinji Watanabe,
 David R. Mortensen, Graham Neubig, Lori Levin. 2023.
SigMoreFun Submission to the SIGMORPHON Shared Task on Interlinear Glossing
In Proceedings of the 20th SIGMORPHON Workshop.

Lindia Tjuatja, Shruti Rijhwani, and Graham Neubig. 2021.
Explorations in Transfer Learning for OCR Post-Correction
In Widening NLP Workshop-Accepted Papers.

PREPRINTS

Michael Ginn*, **Lindia Tjuatja***, Taiqi He, Enora Rice, Graham Neubig, Alexis
 Palmer, Lori Levin. 2024.
GlossLM: Multilingual Pretraining for Low-Resource Interlinear Glossing
arXiv preprint.

Lindia Tjuatja*, Valerie Chen*, Sherry Tongshuang Wu, Ameet Talwalkar, and
Graham Neubig. 2023.
Do LLMs exhibit human-like response biases? A case study in survey design
arXiv preprint.

TALKS

[UT Austin] Social Applications and Impact of NLP Guest Speaker · 2024
Do LLMs exhibit human-like response biases? A case study in survey design

[Ontario Tech University] Advanced Topics in NLP Guest Lecture · 2023
Unlocking Resources for Understudied and Endangered Languages

Linguistic Society of America Annual Meeting 2023
Affectedness Without Change-of-State: The Case of English Dispositional Middles
With John Beavers and Venus Shirazy.

SERVICE **CMU LTI Seminar and Hackathon on LLMs**, Pittsburgh, PA Apr 2023
Organizer for a two-day event of talks, panels, and a hackathon on large language models with over 200 in-person attendees.

EXPERIENCE **CMU LTI Research Intern**, Pittsburgh, PA May-Aug 2022
Advised by Shruti Rijhwani and Graham Neubig
- Evaluated transfer learning as a method to improve performance of OCR post-correction models for endangered language texts
- Submitted abstract and presented at WiNLP workshop, co-located at EMNLP 2021

UT Linguistics Undergraduate Research Assistant, Austin, TX 2019-2022
Advised by John Beavers
- Participated in two research projects: (1) a typological study focused on change-of-state verbs and (2) a corpus study to identify verb class constraints on the English middle construction
- Submitted work from (2) as an abstract for the 2023 LSA Annual Meeting

***Language* Editorial Assistant**, Austin, TX Jan-Aug 2022
Linguistic Society of America
- Organize and send weekly reports to editors

Undergraduate Teaching Assistant, Austin, TX Aug 2020-Dec 2021
Department of ECE, Department of Linguistics
- LIN313 Language and Computers (taught by Jessy Li, fall 2020)
- EE351K Probability and Random Processes (taught by Sanjay Shakkottai, spring 2021)
- EE4445S Real-Time Digital Signal Processing (taught by Brian Evans, fall 2022)

ADDITIONAL SKILLS/ HOBBIES
Programming
Python, Java, MATLAB, C/C++

Languages
English (native), Spanish (intermediate), Japanese (intermediate), Mandarin Chinese (heritage)

Music
Viola and violin, four-year TMEA All-State Orchestra Member,
UT University Orchestra principal violist (2018-2019)