

# 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

**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

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 Middle*  
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)