# Lindia Tjuatja

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## Education

2022–26[*]    **Ph.D.** Computer Science
Language Technologies Institute, Carnegie Mellon University
**Advisor:** Graham Neubig

2018–22    **B.A.** Linguistics & **B.S.** Computer Engineering, with Honors
The University of Texas at Austin

## Research Experience

2025–    **Visiting Academic**, New York University (Host: Tal Linzen)
2025    **Responsible AI Research Intern**, Apple Inc. (Manager: Hadas Kotek)
2021    **Research Intern**, Language Technologies Institute, Carnegie Mellon University
(Mentor: Shruti Rijhwani)
2019–2022    **Undergraduate Research Assistant**, UT Linguistics (Advisor: John Beavers)

## Awards & Honors

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

## Publications

**G** Google Scholar
† → Equal contribution
★ → Senior author

### Journal Articles

J1.    **Tjuatja, Lindia**[†], Chen, Valerie[†], Wu, T., Talwalkwar, A. & Neubig, G. Do LLMs Exhibit Human-like Response Biases? A Case Study in Survey Design. *Transactions of the Association for Computational Linguistics* **12,** 1011–1026. https://aclanthology.org/2024.tacl-1.56/ (2024).

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[*]Expected.

## Peer-Reviewed Conference Proceedings

C1. **Tjuatja, Lindia** & Neubig, G. *BehaviorBox: Automated Discovery of Fine-Grained Performance Differences Between Language Models* in *Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)* (eds Che, W., Nabende, J., Shutova, E. & Pilehvar, M. T.) (Association for Computational Linguistics, Vienna, Austria, July 2025), 18851–18873. ISBN: 979-8-89176-251-0. https://aclanthology.org/2025.acl-long.923/.

C2. **Tjuatja, Lindia**, Neubig, G., Linzen, T. & Hao, S. *What Goes Into a LM Acceptability Judgment? Rethinking the Impact of Frequency and Length* in *Proceedings of the 2025 Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics: Human Language Technologies (Volume 1: Long Papers)* (eds Chiruzzo, L., Ritter, A. & Wang, L.) (Association for Computational Linguistics, Albuquerque, New Mexico, Apr. 2025), 2173–2186. ISBN: 979-8-89176-189-6. https://aclanthology.org/2025.naacl-long.109/.

C3. Ginn, Michael[†], **Tjuatja, Lindia**[†], He, T., Rice, E., Neubig, G., Palmer, A. & Levin, L. *GlossLM: A Massively Multilingual Corpus and Pretrained Model for Interlinear Glossed Text* in *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing* (eds Al-Onaizan, Y., Bansal, M. & Chen, Y.-N.) (Association for Computational Linguistics, Miami, Florida, USA, Nov. 2024), 12267–12286. https://aclanthology.org/2024.emnlp-main.683/.

C4. He, T., Choi, K., **Tjuatja, Lindia**, Robinson, N., Shi, J., Watanabe, S., Neubig, G., Mortensen, D. & Levin, L. *Wav2Gloss: Generating Interlinear Glossed Text from Speech* in *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)* (eds Ku, L.-W., Martins, A. & Srikumar, V.) (Association for Computational Linguistics, Bangkok, Thailand, Aug. 2024), 568–582. https://aclanthology.org/2024.acl-long.34/.

C5. Mortensen, D. R., Gulsen, E., He, T., Robinson, N., Amith, J., **Tjuatja, Lindia** & Levin, L. *Generalized Glossing Guidelines: An Explicit, Human- and Machine-Readable, Item-and-Process Convention for Morphological Annotation* in *Proceedings of the 20th SIGMORPHON workshop on Computational Research in Phonetics, Phonology, and Morphology* (eds Nicolai, G., Chodroff, E., Mailhot, F. & Çöltekin, Ç.) (Association for Computational Linguistics, Toronto, Canada, July 2023), 58–67. https://aclanthology.org/2023.sigmorphon-1.7/.

C6. **Tjuatja, Lindia**, Liu, E., Levin, L. & Neubig, G. *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 (*SEM 2023)* (eds Palmer, A. & Camacho-collados, J.) (Association for Computational Linguistics, Toronto, Canada, July 2023), 149–164. https://aclanthology.org/2023.starsem-1.14/.

## Working Papers and Preprints

W1. Liu, E., Bertsch, A., Sutawika, L., **Lindia Tjuatja**, Fernandes, P., Marinov, L., Chen, M., Singhal, S., Lawrence, C., Raghunathan, A., Gashteovski, K. & Neubig, G. *Not-Just-Scaling Laws: Towards a Better Understanding of the Downstream Impact of Language Model Design Decisions* (To appear at EMNLP 2025). 2025. arXiv: 2503.03862 [cs.CL]. https://arxiv.org/abs/2503.03862.

W2. Liu, J., Song, Y., Xiao, Y., Zheng, M., **Lindia Tjuatja**★, Borg, J. S., Diab, M. & Sap, M. *Synthetic Socratic Debates: Examining Persona Effects on Moral Decision and Persuasion Dynamics* (To appear at EMNLP 2025). 2025. arXiv: 2506.12657 [cs.CL]. https://arxiv.org/abs/2506.12657.

## Invited Talks

T1. **Tjuatja, Lindia**. *BEHAVIORBOX: Automated Discovery of Fine-Grained Performance Differences.* Computational Linguistics Research Seminar (UT Austin). Sept. 2025.

T2. **Tjuatja, Lindia**. *Linguistic judgments of language models: Probability, acceptability, and agentivity.* Linguistics Colloquium (University of Pittsburgh). Sept. 2025.

T3. **Tjuatja, Lindia**. *Do LLMs exhibit human-like response biases? A case study in survey design.* Social Applications and Impact of NLP (UT Austin). Feb. 2024.

T4. **Tjuatja, Lindia**. *Intro to Linguistics and Computational Linguistics.* 11-711 Advanced NLP Guest Lecture (CMU). Fall and Spring 2024.

T5. **Tjuatja, Lindia**. *Unlocking Resources for Understudied and Endangered Languages.* Advanced Topics in NLP (Ontario Tech University). Dec. 2023.

T6. **Tjuatja, Lindia**, Shirazy, V. & Beavers, J. *Affectedness Without Change-of-State: The Case of English Dispositional Middles.* Linguistic Society of America Annual Meeting (Denver, CO). Jan. 2023.

## Teaching

### Carnegie Mellon Unviersity

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|---|---|
| Spring 2025 | **Teaching Assistant**: Ethics, Safety, and Social Impact in NLP and LLMs (Instructor: Maarten Sap) |
| Fall 2024 | **Teaching Assistant**: Advanced Natural Language Processing (Instructor: Graham Neubig) |

### The University of Texas at Austin

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| Fall 2022 | **Teaching Assistant**: Real-Time Digital Signal Processing (EE4445S, Instructor: Brian Evans) |
| Spring 2021 | **Teaching Assistant**: Probability and Random Processes (EE351K, Instructor: Sanjay Shakkottai) |
| Fall 2020 | **Teaching Assistant**: Language and Computers (LIN313, Instructor: Jessy Li) |

## Academic Service

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| April 2025 | CMU LTI Student Research Seminar<br>*Student organizer for the LTI student research seminar, an annual event where students submit and present their work, along with alumni guest speakers.* |

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

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Last updated: October 17, 2025