

# Michael Ginn

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University of Colorado  
Department of Computer Science  
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## Education

B.S. Computer Science, Washington University in St. Louis, 2022.

M.A. Linguistics<sup>1</sup>, University of Colorado, 2024.

Ph.D. Computer Science, University of Colorado, 2022-present.

## Publications

\* denotes shared first authorship

Ray Groshan\*, [Michael Ginn](#)\*, and Alexis Palmer. 2025. **Is linguistically-motivated data augmentation worth it?** In *Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*

[Michael Ginn](#) and Alexis Palmer. 2025. **LLM Dependency Parsing with Symbolic Rules**. In *Proceedings of The 1st Joint Workshop on Large Language Models and Structure Modeling*

[Michael Ginn](#), Mans Hulden, and Alexis Palmer. 2024. **Can we teach language models to gloss endangered languages?** *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*

[Michael Ginn](#)\*, Lindia Tjuatja\*, Taiqi He, Enora Rice, Graham Neubig, Alexis Palmer, and Lori Levin. 2024. **GlossLM: A Massively Multilingual Corpus and Pretrained Model for Interlinear Glossed Text**. *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*

[Michael Ginn](#), David Ricardo Saavedra Beltran, Camilo Alberto Robayo Romero, and Alexis Palmer. 2024. **BELT: Building Endangered Language Technology**. In *Proceedings of the Fifth Workshop on Teaching NLP*. **Best Paper Award**

Mans Hulden, [Michael Ginn](#), Miikka Silfverberg, and Michael Hammond. 2024. **PyFoma: a Python finite-state compiler module**. In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (Volume 3: System Demonstrations)*

Saliha Muradoğlu, [Michael Ginn](#), Miikka Silfverberg, and Mans Hulden. 2024. **Resisting the Lure of the Skyline: Grounding Practices in Active Learning for Morphological Inflection**. In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (Volume 2: Short Papers)*

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<sup>1</sup>Non-terminal degree obtained upon completing Ph.D. comprehensive exam.

Michael Ginn, Ali Marashian, Bhargav Shandilya, Claire Benet Post, Enora Rice, Juan Vásquez, Marie McGregor, Matt Buchholz, Mans Hulden, and Alexis Palmer. 2024. **On the Robustness of Neural Models for Full Sentence Transformation**. In *Proceedings of the Workshop on Natural Language Processing for Indigenous Languages of the Americas (AmericasNLP)*

Michael Ginn and Alexis Palmer. 2024. **Decomposing Fusional Morphemes with Vector Embeddings**. In *Proceedings of the 21st SIGMORPHON workshop on Computational Research in Phonetics, Phonology, and Morphology*

Michael Ginn and Alexis Palmer. 2023. **Robust Generalization Strategies for Morpheme Glossing in an Endangered Language Documentation Context**. In *Proceedings of the 1st GenBench Workshop on (Benchmarking) Generalisation in NLP*, pages 89–98, Singapore. Association for Computational Linguistics

Michael Ginn, Sarah Moeller, Alexis Palmer, Anna Stacey, Garrett Nicolai, Mans Hulden, and Miikka Silfverberg. 2023. **Findings of the SIGMORPHON 2023 Shared Task on Interlinear Glossing**. In *Special Interest Group on Computational Morphology and Phonology Workshop*

Michael Ginn and Roman Khamov. 2023. **Ginn-Khamov at SemEval-2023 Task 6, Subtask B: Legal Named Entities Extraction for Heterogenous Documents**. In *International Workshop on Semantic Evaluation*

## Workshops

BELT: Building Endangered Language Technology. 2023. At *AMAZONICAS* in Bogota, Colombia.

*Led four-day workshop with Amazonian linguists where participants created simple language tools such as spellcheckers and language learning games.*

## Talks

2025. **NLP for Endangered Languages**. In *Google Machine Learning Group (Boulder)*. Oral presentation

2024. **Advances and Challenges in Automated Interlinear Glossing**. In *ACL Special Interest Group on Endangered Languages (SIGEL) Speaker Series*. Oral presentation

2023. **Toward Robust and Human-Like IGT Generation Models for Real-World Usage**. In *Open Text Collections Consumer Workshop*. Oral presentation

2021. **Death, Morality, and Verb Construction in *Odes 2.3***. In *The Classical Organization of the Middle West and South*. Poster presentation

## Academic Positions

Teaching Assistant, *CSCI 2270: Data Structures*, University of Colorado. 2024-2025.

Research Assistant, Prof. Alexis Palmer, University of Colorado. 2022-present.

Research Assistant, Prof. Mans Hulden, University of Colorado. 2022-present.

Teaching Assistant, *LING 3100: Language Sound Structures*, University of Colorado. 2024.

Language Data Consortium Liaison, University of Colorado. 2022-2024.

Undergraduate Research Assistant, Prof. Kristin VanEngen, Washington University in St. Louis. 2021-2022.

Head Teaching Assistant, *Mobile Application Development & Mobile Application Development II*, Prof. Todd Sproull, Washington University in St. Louis. 2019-2022.

Teaching Assistant, *Introduction to Computer Science*, Prof. Ron Cytron, Washington University in St. Louis. 2018-2019.

## Volunteering

Reviewer for ACL ARR, LREC-COLING, SIGMORPHON

EMNLP 2023 Student Volunteer

## Awards and Honors

Best Published Work, Department of Computer Science Research Expo, University of Colorado. 2025.

Ralph Slutz Excellence Award, University of Colorado. 2024.

Valedictorian, Washington University in St. Louis. 2022.

Summa Cum Laude, Washington University in St. Louis. 2022.

Dean's List, Washington University in St. Louis. 2018-2022.

Antoinette Frances Dames Award for Productive Scholarship. 2020.

Engineering Outstanding Junior Award, Washington University in St. Louis. 2020.

Tau Beta Pi Honors Society. 2020-2022.

Apple Worldwide Developer Conference Scholarship. 2015, 2019.

James M. McKelvey Undergraduate Research Award. 2018.

Alexander S. Langsdorf Fellowship. 2018.

## Industry Positions

Intern (Predictive Code Completion, Input Experience, iCloud, Localization Engineering), **Apple**, 2021-2025.

Machine Learning Student Researcher, **xMentium**. 2023-2024.

Student Software Engineer, **Magnify Your Voice**. 2019-2021.

Data Science Intern, **Splice Machine**. 2020.

Student Software Engineer, Project Covid, **LFR International**. 2020.