

# Michael Ginn

University of Colorado  
Department of Computer Science  
Institute of Cognitive Science

## Education

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

M.A. Linguistics, University of Colorado, 2024.

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

## Publications

Michael Ginn, Mans Hulden, and Alexis Palmer. 2024b. **Can we teach language models to gloss endangered languages?** *arXiv preprint*

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

Michael Ginn, , David Ricardo Saavedra Beltran, Camilo Alberto Robayo Romero, and Alexis Palmer. 2024a. **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)*

Michael Ginn, Ali Marashian, Bhargav Shandilya, Claire Benet Post, Enora Rice, Juan Vásquez, Marie McGregor, Matt Buchholz, Mans Hulden, and Alexis Palmer. 2024c. **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

## Presentations

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

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

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

Teaching Assistant, *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 2024, LREC-COLING 2024, SIGMORPHON 2023-2024

EMNLP 2023 Student Volunteer

## Awards and Honors

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

Machine Learning Intern, System Intelligence, **Apple**. 2024.

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

Services Engineering Intern, iCloud Mail, **Apple**. 2023.

Software Engineering Intern, Localization and Release Engineering, **Apple**. 2021, 2022.

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

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

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

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