

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?** *To appear at EMNLP 2024*

Michael Ginn^{*}, Lindia Tjuatja^{*}, Taiqi He, Enora Rice, Graham Neubig, Alexis Palmer, and Lori Levin. 2024. **GlossLM: Multilingual Pretraining for Low-Resource Interlinear Glossing.** *To appear at EMNLP 2024*

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 Muradođlu, 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.