

# Lauren Elizabeth Levine

[lauren-lizzy-levine.github.io](https://lauren-lizzy-levine.github.io)  
[google scholar](#)  
[lel76@georgetown.edu](mailto:lel76@georgetown.edu)

## Education

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<b>Ph.D., Georgetown University</b>	Linguistics Concentration: Computational Linguistics Advisor: Amir Zeldes Dissertation Area: Bridging Anaphora GPA: 4.00/4.00	8/2021 – present (expected 2026)
<b>M.S., Georgetown University</b>	Linguistics Concentration: Computational Linguistics GPA: 4.00/4.00	8/2021 – 12/2024
<b>B.A., Cornell University</b>	Computer Science, Linguistics, Asian Studies Minor: Cognitive Science GPA: 3.96/4.30	8/2014 – 5/2018

## Publications

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### Conference and Workshop Papers

- [1] **Levine, Lauren**, and Zeldes, Amir (2026) “[GUMBridge: a Corpus for Varieties of Bridging Anaphora](#)”. To appear in: *Proceedings of the fifteenth Language Resources and Evaluation Conference (LREC) 2026*. Palma, Mallorca (Spain).
- [2] **Levine, Lauren**, Min, Junghyun, and Zeldes, Amir (2025) “[Building UD Cairo for Old English in the Classroom](#)”. In: *Proceedings of SyntaxFest 2025*. Ljubljana, Slovenia.
- [3] **Levine, Lauren**, and Zeldes, Amir (2025) “[Subjectivity in the Annotation of Bridging Anaphora](#)”. In: *Proceedings of the 19th Linguistic Annotation Workshop (LAW)* at ACL 2025. Vienna, Austria.
- [4] **Levine, Lauren** (2025) “[A Cross-Genre Analysis of Discourse Relation Signaling in the GUM Corpus](#)”. In: *Proceedings of the Society for Computation in Linguistics (SCiL) 2025*. Eugene, OR, USA.

- [5] Scivetti, Wesley, **Levine, Lauren**, Schneider, Nathan (2025) “[Multilingual Supervision Improves Semantic Disambiguation of Adpositions](#)”. In: *Proceedings of the 31st International Conference on Computational Linguistics*. Abu Dhabi, UAE.
- [6] **Levine, Lauren**, and Zeldes, Amir (2024) “[Unifying the Scope of Bridging Anaphora Types in English: Bridging Annotations in ARRAU and GUM](#)”. In: *Proceedings of the Seventh Workshop on Computational Models of Reference, Anaphora and Coreference (CRAC 2024)* at EMNLP 2024. Miami, USA. ***Best Paper Award at CRAC 2024***
- [7] Yang Janet Liu, Tatsuya Aoyama, Wesley Scivetti, Yilun Zhu, Shabnam Behzad, **Lauren Levine**, Jessica Lin, Devika Tiwari, and Amir Zeldes (2024) “[GDTB: Genre Diverse Data for English Shallow Discourse Parsing across Modalities, Text Types, and Domains](#)”. In: *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*. Miami, USA.
- [8] **Levine, Lauren**, Li, Cindy, BremerMcCollum, Lydia, Wagner, Nicholas, and Zeldes, Amir (2024) “[Lacuna Language Learning: Leveraging RNNs for Ranked Text Completion in Digitized Coptic Manuscripts](#)”. In: *Proceedings of the 1st Workshop on Machine Learning for Ancient Languages (ML4AL 2024)* at ACL 2024. Bangkok, Thailand, 61–70.
- [9] **Levine, Lauren** (2023) “[Difficulties in Handling Mathematical Expressions in Universal Dependencies](#)”. In: *Proceedings of the 17th Linguistic Annotation Workshop (LAW)* at ACL 2023. Toronto, Canada, 19–30.
- [10] Aoyama, Tatsuya, Behzad, Shabnam, Gessler, Luke, **Levine, Lauren**, Lin, Jessica, Liu, Yang Janet, Peng, Siyao, Zhu, Yilun, and Zeldes, Amir (2023) “[GENTLE: A Genre-Diverse Multilayer Challenge Set for English NLP and Linguistic Evaluation](#)”. In: *Proceedings of the 17th Linguistic Annotation Workshop (LAW)* at ACL 2023. Toronto, Canada, 166–178.
- [11] **Levine, Lauren** (2022) “[The Distribution of Deontic Modals in Jane Austen’s Mature Novels](#)”. In: *Proceedings of the 6th Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature* at COLING 2022. Gyeongju, Republic of Korea, 70–74.
- [12] **Levine, Lauren** (2022) “[Sharing Data by Language Family: Data Augmentation for Romance Language Morpheme Segmentation](#)”. In: *Proceedings of the 19th SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology* at NAACL 2022. Seattle, WA, 117-123.

- [13] Gessler, Luke, **Levine, Lauren** and Zeldes, Amir (2022) “[Midas Loop: A Prioritized Human-in-the-Loop Annotation System for Large Scale Multilayer Data](#)”. In: *Proceedings of the 16th Linguistic Annotation Workshop (LAW)* at LREC 2022. Marseille, France, 103-110.

## Teaching

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### As a Research Mentor at Georgetown University

- Research-based Undergraduate Linguistics Experience (RULE) Fall 2025  
*Mentored undergraduate students (2) in linguistic annotation and computational research skills*

### As a Teaching Assistant at Georgetown University

- Computational Corpus Linguistics Fall 2025, Fall 2022  
*Guest lecture, office hours, grading, course facilitation*
- Introduction to Natural Language Processing (taught in Python) Fall 2024  
*Guest lecture, office hours, grading, course facilitation*
- Introduction to Language (undergraduate intro to linguistics) Fall 2023  
*Regular lecturing, office hours, grading, creation of course materials*
- Intensive First Level Japanese I Fall 2023  
*Drill Instructor: conducted weekly session for oral practice*

## Academic Service

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### Georgetown University

- Corpus Resource Coordinator Spring 2022, Spring 2024  
*Managed and added to GU hosted linguistic corpora*
- Faculty Search Assistant Spring 2024  
*Facilitated logistics and communication for Computational Linguistics faculty member search*
- Event Management Assistant, Georgetown University Round Table (GURT) Spring 2023

*Coordinated logistics for the GU conference on computation and corpus linguistics.*

- Social Chair, Georgetown University Computational Linguistics (GUCL) Fall 2021  
*Coordinated CL community networking and social events*

## Service to the Field

- North American Computational Linguistics Olympiad (NACLO) Organizer 2024, 2025
- Reviewer, ACL Rolling Review (ARR) 2025, 2026
- Reviewer, Linguistic Annotation Workshop (LAW) 2025
- Reviewer, Student Research Workshop (SRW) 2025
- ACL Student Volunteer 2023

## Professional Experience

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### The MITRE Corporation, Bedford, MA

- Senior Computational Linguist 4/2020 - Present  
*Applied NLP techniques and statistical analysis to the evaluation of identity matching and identity resolution systems for government stakeholders*  
(Part-time from 9/2021)
- Software Engineer 9/2018 - 4/2020  
*Delivered software tools for dataset annotation using Agile development practices*

## Awards and Grants

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- Best Paper Award at CRAC 2024 at EMNLP 2024
- GradGov-GSAS Research Project Award Spring 2025  
*Competitive Research Grant from Georgetown Graduate School of Arts and Sciences*

- Georgetown Linguistics Department Travel Grant & GSAS Conference Travel Grant Award  
*Granted for travel to ACL 2025, Vienna, Austria* Fall 2025
- Georgetown Linguistics Department Travel Grant  
*Granted for travel to EMNLP 2024, Miami, FL, USA* Fall 2024
- Georgetown Linguistics Department Travel Grant  
*Granted for travel to ACL 2023, Toronto, Canada* Fall 2023
- Georgetown Linguistics Department Travel Grant  
*Granted for travel to LREC 2022, Marseille, France* Fall 2022

## Corpora

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### Editor

- [\*\*GUM\*\*](#): The **G**eorgetown **U**niversity **M**ultilayer **C**orpus – a multilayer, class-sourced corpus of English Web genres
- [\*\*GENTLE\*\*](#): **G**enre **T**ests for **L**inguistic **E**valuation – a multilayer annotated corpus of unusual English genres

## Software

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### Developer

- [\*\*GitDox\*\*](#) – version controlled online xml editor for multilayer annotation
- [\*\*MidasLoop\*\*](#) – version-controlled online annotation environment for multilayer corpus data which includes confidence metadata for annotations

## Membership in Professional Societies

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- Association for Computational Linguistics (ACL, since 2022)
- Linguistic Society of America (since 2024)

## Technical Skills

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- **Programming Languages:** Python, R, Java, JavaScript, SQL, C++, MATLAB
- **ML/Deep Learning:** PyTorch, TensorFlow, Huggingface, Transformers

- **Data Science:** Statistics, Pandas, NumPy, SciPy, scikit-learn, matplotlib, Seaborn

## Languages

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**Native:** English

**Advanced knowledge:** French, Japanese

**Ancient languages (basic reading):** Coptic, Middle Egyptian