Lauren Elizabeth Levine

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Education

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

Publications

ACL Conference and Workshop Papers

[1] **Levine, Lauren**, Min, Junghyun, and Zeldes, Amir (2025) "Building UD Cairo for Old English in the Classroom". In: *Proceedings of SyntaxFest 2025*. Ljubljana, Slovenia.

[2] **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.

[3] **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.

[4] 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.

[5] **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***

[6] 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.

[7] **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.

[8] **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.

[9] 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.

[10] **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.

[11] **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.

[12] 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

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

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

- Reviewer, Linguistic Annotation Workshop (LAW)   2025

- Reviewer, Student Research Workshop (SRW)   2025

- ACL Student Volunteer   2023

Professional Experience

The MITRE Corporation, Bedford, MA

- Senior Computational Linguist   4/2020 - Present
Applied NLP techniques and statistical analysis to the   (Part-time from 9/2021)
evaluation of identity matching and identity resolution systems
for government stakeholders

- Software Engineer   9/2018 - 4/2020
Delivered software tools for dataset annotation using Agile
development practices

Awards and Grants

- 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   Fall 2024
Granted for travel to EMNLP 2024, Miami, FL, USA

- Georgetown Linguistics Department Travel Grant   Fall 2023
Granted for travel to ACL 2023, Toronto, Canada

- Georgetown Linguistics Department Travel Grant   Fall 2022
Granted for travel to LREC 2022, Marseille, France

Corpora

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

Software

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

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

Technical Skills

- **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

Native:	English
Advanced knowledge:	French, Japanese
Ancient languages (basic reading):	Coptic, Middle Egyptian