

Yiwei Luo

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🌐 <http://yiweiluo.github.io>

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Research areas

Natural Language Processing, computational text analysis, computational social science, framing, persuasion, bias, misinformation

Education

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| 2017-2023
(expected) | Ph.D. Candidate in Linguistics , Stanford University <ul style="list-style-type: none">• Dissertation title: Investigating Information Framing with Natural Language Processing• Committee: Dan Jurafsky (chair), Beth Levin, Brian Knutson, Ellen Markman |
| 2013-2017 | B.A in Linguistics, Minor in CS , Princeton University <ul style="list-style-type: none">• <i>Summa cum laude</i> |

NON-DEGREE STUDIES

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| 2015 Summer | Linguistic Society of America (LSA) Linguistic Institute, Chicago, Illinois |
| 2014 Summer | Princeton Global Seminar on sociolinguistics and multilingualism, University of Geneva, Switzerland |

Honors & awards

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| 2017-2019 | Stanford University Jeanne and Bud Milligan Fellowship in Humanities and Sciences |
| 2017 | Princeton University Linguistics Department Senior Thesis Prize |
| 2014 | Princeton University Institute for International and Regional Studies summer study abroad award |
| 2011, 2012 | American Invitational Mathematics Examination qualifier |
| 2012 | Math Prize for Girls |
| 2012 | North American Computational Linguistics Olympiad, 49th place on invitational round |

Grants & funding

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| 2021-2022 | Stanford University Woods Institute Environmental Venture Project Grant (Amount: \$200K) |
| 2021 | Stanford University Graduate Research Opportunity Dissertation Funding (Amount: \$4K) |

Publications

WORK IN PROGRESS

- in prep. **Yiwei Luo**, Kristina Gligorić, and Dan Jurafsky. Framing of ethnic succession in US restaurant reviews.
- in prep. **Yiwei Luo**, Beth Levin, and Dan Jurafsky. Discourse and politeness factors of persuasion in interpersonal arguments.
- in prep. **Yiwei Luo**, Aaron Chuey and Ellen Markman. Epistemic language in news headlines affects readers' perceptions of objectivity.
- manuscript **Yiwei Luo**. Predicates of opinion attribution in the media coverage of vaccines.

PUBLISHED ARTICLES

- 2023 **Yiwei Luo**, Aaron Chuey and Ellen Markman. Epistemic language in news headlines shapes readers' perceptions of objectivity. *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*.
- 2020 **Yiwei Luo**, Dallas Card and Dan Jurafsky. Detecting stance in media on global warming. *Findings of the Association for Computational Linguistics: Empirical Methods in Natural Language Processing 2020*: 3296–3315.
- 2019 **Yiwei Luo**, Dan Jurafsky and Beth Levin. From *insanely jealous* to *insanely delicious*: Computational models for the semantic bleaching of English intensifiers. *Proceedings of the 1st International Workshop on Computational Approaches to Historical Language Change*: 1–13.
- 2018 **Yiwei Luo** and Yang Xu. Stability in the temporal dynamics of word meanings. *Proceedings of the 40th Annual Meeting of the Cognitive Science Society*: 2078–2083.
- 2017 **Yiwei Luo**. The Textualization of Swiss German. *Schwa Language and Linguistics* 13: 75–88.

Presentations

- 2023 **Yiwei Luo** and Kristina Gligorić. Framing of ethnic succession in US restaurant reviews. The 9th International Conference on Computational Social Science, July 18, Copenhagen, Denmark.
- 2023 **Yiwei Luo**. Evaluating the Stance Triangle on social media. Sociolunch, February 1, Stanford, CA.
- 2023 **Yiwei Luo**. Taking sides using sentential complement predicates: The interplay of factivity and politeness in persuasion. 97th Annual Meeting of the Linguistic Society of America, January 7, Denver, CO.
- 2022 **Yiwei Luo**. Opinion framing in the media coverage of global warming and vaccines. Construction of Meaning Workshop, March 2, Stanford, CA.
- 2019 **Yiwei Luo**. From scales to scalars: A computational approach to the semantic bleaching of English de-adjectival intensifiers. Stanford QP Fest, April 20, Stanford, CA.
- 2018 **Yiwei Luo**. Change and stability in word polysemy. Stanford SemFest, March 12, Stanford, CA.
- 2016 **Yiwei Luo**. Gradient grammaticalization of English *have to*. McGill Canadian Conference

for Linguistics Undergraduates (McCCLU), March 19, Montreal, Canada.

PUBLIC TALKS

2022 **Yiwei Luo.** Finding math in linguistics. Cupertino Math Circle, September 29, Sunnyvale, CA.

Teaching

Instructor, STANFORD UNIVERSITY

- 2021 Fall • Introduction to Research for Undergraduates, as instructor
- 2021 Winter • Undergraduate Research Workshop, as instructor

Teaching Assistant, STANFORD UNIVERSITY

- 2022 Winter • Introduction to Semantics and Pragmatics, instructor: Chris Potts
- 2020 Winter • Introduction to Lexical Semantics, instructor: Cleo Condoravdi
- 2019 Spring

Other Teaching Experience

2021-2022 NLP Group Undergraduate Mentor, STANFORD UNIVERSITY, STANFORD, CA
2021-2022 Department of Linguistics Undergraduate Mentor, STANFORD UNIVERSITY, STANFORD, CA
2019 Summer Tutor, PETEY GREENE, CAMBRIDGE, MA
2016-2017 Administrative Assistant, THE MCGRAW CENTER FOR TEACHING AND LEARNING, PRINCETON, NJ
2013-2014 Contractor, ART OF PROBLEM SOLVING (AoPS), ALPINE, CA
2013-2017 Tutor, PRINCETON, NJ

Professional service

REVIEWING

2019- *Linguistics.*
2019- *Cognitive Science.*

ORGANIZING

2017-2018 Organizer, Social Committee. Stanford Linguistics
2019-2020
2017-2019 Co-chair, Social Committee. Stanford Natural Language Processing Group
2016-2017 Co-president, Linguistics Club. Princeton University

Memberships

2022-

Linguistic Society of America

Skills

LANGUAGES

English and Mandarin Chinese: native

French: advanced

Russian: elementary

Latin and Ancient Greek: reading

COMPUTING

Python, R, Java, JavaScript, SQL, Unix, LATEX

Natural language processing, text mining, machine learning

PyTorch, TensorFlow, pandas, Git, spaCy, NLTK, AWS Lambda

References

Dan Jurafsky jurafsky@stanford.edu

Beth Levin bclevin@stanford.edu

Brian Knutson knutson@stanford.edu