

Zoey (Ying) Liu

CONTACT INFORMATION	Department of Computer Science 140 Commonwealth Ave Boston College Chestnut Hill, MA 02467	<i>Email:</i> yiliu@ucdavis.edu <i>Phone:</i> +1 (818)486-3022 <i>Website:</i> https://zoeyliu18.github.io
RESEARCH INTERESTS	Computational linguistics; language typology; language documentation; language development.	
EDUCATION	University of California, Davis , Davis, CA USA	
	<i>Ph.D., Linguistics</i>	2016 - 2020
	Dissertation: Data-driven Crosslinguistic Modeling of Constituent Ordering Preferences	
	Dissertation committee: Kenji Sagae (chair), John A. Hawkins, Emily Morgan	
	<i>M.A., Linguistics</i>	2014 - 2016
	Thesis: Linguistic Fingerprint: A Computational Investigation of Authorship Attribution for Short Text Documents	
	Thesis committee: Raúl Aranovich (chair), Almerindo Eduardo Ojeda, Santiago Barreda	
	Nankai University , Tianjin, PRC	
	<i>B.A., Translation</i>	2010 - 2014
OTHER EDUCATION	LSA Linguistic Summer Institute	
	University of California, Davis	2019
	University of Chicago	2015
INDUSTRY EMPLOYMENT	Software Development Research Intern Cognitive Computing Lab, Baidu , Beijing, China	July - October 2019
	Supervisor: Dr. Mingming Sun and Dr. Ping Li Project: Design semantic graph representations for English and Mandarin Chinese to facilitate open information extraction and knowledge base construction	
SUBMITTED	Zoey Liu . The Crosslinguistic Relationship between Ordering Flexibility and Dependency Length Minimization: A Data-Driven Approach. Paper submission to <i>The Society for Computation in Linguistics (SCiL) 2021</i> .	
	Zoey Liu and Emily Morgan. Frequency-dependent Regularization in Syntactic Constructions. Abstract submission to <i>The Society for Computation in Linguistics (SCiL) 2021</i> .	
	Alex Kramer and Zoey Liu . A Data-driven Approach to Crosslinguistic Structural Biases. Abstract submission to <i>The Society for Computation in Linguistics (SCiL) 2021</i> .	
	William Dyer, Richard Futrell, Zoey Liu and Gregory Scontras. Modeling Cross-linguistic Adjective Order with Information Gain. Abstract submission to <i>The Society for Computation in Linguistics (SCiL) 2021</i> .	
	Open-Domain Information Extraction Construction Methods and System. China Patent #202000013489. With Mingming Sun, Wenyue Hua, Xin Wang, Kangjie Zheng and Ping Li. Cognitive Computing Lab, Baidu.	

- JOURNAL ARTICLES **Zoey Liu**. (in press). Mixed Evidence for Crosslinguistic Dependency Length Minimization. *STUF-Language Typology and Universals*.
2018. Santiago Barreda and **Zoey Liu**. Apparent-Talker Height is Influenced by Mandarin Lexical Tone. *The Journal of the Acoustical Society of America, EL*.
- PEER-REVIEWED PROCEEDING PAPERS 2020. Mingming Sun, Wenyue Hua, **Zoey Liu**, Xin Wang, Kangjie Zheng and Ping Li. A Predicate-Function-Argument Annotation of Natural Language for Open-Domain Information eXpression. In *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)*
2020. **Zoey Liu** and Emily Morgan. Frequency-dependent Regularization in Constituent Ordering Preferences. In *Proceedings of the 42nd Annual Conference of the Cognitive Science Society*.
2019. **Zoey Liu**. A Comparative Corpus Analysis of PP Ordering in English and Chinese. In *Proceedings of the First Workshop on Quantitative Syntax (Quasy, SyntaxFest 2019)*.
2018. Justin Spence, **Zoey Liu**, Kayla Palakurthy, and Tyler Lee-Wynant. Syntactic Annotation of a Hupa Text Corpus. In *Proceedings of Working Papers in Athabaskan Languages: Alaska Native Language Center Working Papers*.
- PEER-REVIEWED EXTENDED ABSTRACTS 2019. **Zoey Liu**. Quantifying Structural and Lexical Constraints in PP Ordering Typology. In *Proceedings of The Society for Computation in Linguistics (SCiL) 2019* (extended abstract).
2018. **Zoey Liu** and Kenji Sagae. Dependency Length Minimization and Lexical Frequency in Prepositional Phrase Ordering in English. In *Proceedings of The Society for Computation in Linguistics (SCiL) 2018* (extended abstract).
- INVITED TALKS 2020. **Zoey Liu**. Data-driven Crosslinguistic Modeling of Constituent Ordering Preferences. Ted-Lab, Department of Brain and Cognitive Sciences, MIT, October 6th.
2020. **Zoey Liu**. Frequency-dependent Regularization in Constituent Ordering Preferences. NERT, Department of Linguistics, Georgetown University, March 31st.
- CONFERENCE PRESENTATIONS 2020. **Zoey Liu**. The Relationship between Word Order Flexibility and Dependency Length Minimization. Oral presentation at *53rd Annual Meeting of the Societas Linguistica Europaea*, Bucharest, August 26-29.
2020. **Zoey Liu** and Emily Morgan. Frequency-dependent Regularization in Constituent Ordering Preferences. Poster presentation at *The 42nd Annual Conference of the Cognitive Science Society*, Toronto, July 29 - August 1.
2020. **Zoey Liu** and Emily Morgan. Item-specific Regularization in Word Order Preferences. Poster presentation at *The 11th International Conference on Construction Grammar*, Belgium, August 20-22 (postponed due to COVID-19).
2020. **Zoey Liu** and Emily Morgan. Frequency-dependent Regularization in Abstract Syntactic Structures. Oral presentation at *The 33rd Annual CUNY Human Sentence Processing Conference*, Amherst, March 19-21.
2020. **Zoey Liu**. Crosslinguistic Extent of Dependency Length Minimization. Poster presentation at *The 33rd Annual CUNY Human Sentence Processing Conference*, Amherst, March 19-21.
2020. **Zoey Liu**. Do Arguments Appear Closer Crosslinguistically? Poster presentation at *The*

33rd Annual CUNY Human Sentence Processing Conference, Amherst, March 19-21.

2019. **Zoey Liu**. A Comparative Corpus Analysis of PP Ordering in English and Chinese. Oral presentation at *SyntaxFest 2019*, Paris, August 26-30.

2019. **Zoey Liu**. Quantifying Structural and Lexical Constraints in PP Ordering Typology. Poster presentation at *The Society for Computation in Linguistics*, New York City, January 3-6.

2019. Santiago Barreda and **Zoey Liu**. The Effect of Linguistic Experience on the Perception of Talker Height from Speech. Poster presentation at *The 93rd Annual Meeting of the Linguistic Society of America*, New York City, January 3-6.

2018. **Zoey Liu**. Quantifying Structural and Lexical Constraints in PP Ordering Typology. Oral presentation at *California Meeting on Psycholinguistics*, Los Angeles, California, December 1-2.

2018. **Zoey Liu** and Kenji Sagae. Dependency Length Minimization and Lexical Frequency in Prepositional Phrase Ordering in English. Oral presentation at *The Society for Computation in Linguistics*, Salt Lake City, Utah, January 4-7.

2017. Justin Spence, **Zoey Liu**, Kayla Palakurthy, & Tyler Lee-Wynant. Syntactic Annotation of a Hupa Text Corpus. Oral presentation at *Dene/Athabaskan Language Conference*, Camp Verde, Arizona, June 27-29.

2017, **Zoey Liu**, Tyler Lee-Wynant, and Justin Spence. Building for the Future: Developing a Hupa Dependency Treebank. Oral presented at *UC Davis Symposium on Language Research*, Davis, California, May 26th.

2017. Justin Spence, **Zoey Liu**. Building for the Future: Adopting TEI Standards in a Text of Hupa. Oral presentation at *The Society of the Study of the Indigenous Languages of the Americas*, Austin, Texas, January 5-8.

2016. **Zoey Liu**. The Story of Collocation & Dispersion. Oral presentation at *UC Davis Symposium on Language Research*, Davis, California, May 20th.

2016. Carole E. Chaski, Elizabeth A. Smith, Cristina Aggazzotti, & **Zoey Liu**. Confirmation Bias and Metalinguistic Awareness. Oral presentation at *American Academy of Forensic Sciences*, Las Vegas, Nevada, February 22-27.

2016. **Zoey Liu**. The Role of Function Words: An Empirical Study of Text Distance Measure Performance. Oral presentation at *The Association for Linguistic Evidence*, Washington, D.C., January 7-10.

2015. **Zoey Liu**. Rethinking Collocation: Directional Association Measure and its Potential Role in Semantic Similarity Computation. Oral presentation at *California Universities Semantics and Pragmatics Work 8*, Palo Alto, California, November 6-7.

RESEARCH
EXPERIENCE

University of California, Davis, Davis, CA USA

Graduate Student Researcher

Summer 2020

Supervisor: Dr. Fernanda Ferreira

Project: Corpus analyses of language production and linearization strategies in real-world scene descriptions

Graduate Student Researcher

Summer 2020

Supervisor: Dr. Emily Morgan
 Project: Applying the Maze task to online processing of binomial expressions in English

Graduate Student Researcher Winter 2016 - Summer 2017
 Supervisor: Dr. Justin Spence
 Project: Understanding evidentiality and other grammatical phenomena through the expanded documentation of Hupa, National Science Foundation.

Graduate Student Researcher Summer 2015
 Supervisor: Budget & Institutional Analysis
 Project: Statistical analysis of large-scale Career Pipeline survey data

Research Assistant Fall 2014 - Winter 2015
 Supervisor: Dr. David Corina
 Project: The role of movement in memory of signs and ASL lexical processing

TEACHING EXPERIENCES

University of California, Davis, Davis, CA USA
Instructor
 Introduction to Linguistics (Winter 2019, Summer 2018).

Teaching Assistant
 Introduction to Linguistics (Spring 2020, Spring 2019, Summer 2017, Spring 2016, Winter 2016, Fall 2015, Spring 2015, Winter 2015).
 Computational Linguistics (Winter 2020, Fall 2019, Fall 2018, Spring 2018, Winter 2018, Spring 2017).
 Corpus Linguistics & Text Analysis (Winter 2017).
 Linguistic Analysis I (Fall 2016).

Associate Instructor for ESL (Summer 2016).

SERVICE

Leadership Training Development, Advocates for Indigenous California Language Survival
 Technical Advisor 2020 -

Breath of Life Archival Institute for Indigenous California Languages, Berkeley, CA USA
 Linguistic Partner & Technical service June - July, 2020
 Linguistic Partner (Patwin) June 3-9, 2018

Reviewer
 CoNLL 2020: The SIGNLL Conference on Computational Natural Language Learning
 Glossa: A Journal of General Linguistics

HONORS AND AWARDS

University of California, Davis, Davis, CA USA
 Outstanding Graduate Teaching Award, nominated 2017
 Combined Summer Awards, Linguistics Graduate Group and Institute for Social Science 2015

Nankai University, Tianjin, PRC
 Secondary Scholarship 2012, 2011
 Tri - Merit Student 2011

First Prize of Shandong Provincial Mathematics Competition, Shandong Province, PRC 2009

LANGUAGES Mandarin Chinese (native), English (near native),
Hupa (research knowledge), Japanese (basic knowledge)

PROGRAMMING Programming Languages: Python, R, Prolog
SKILLS Operating System: Mac, Unix/Linux, Windows

REFERENCES Kenji Sagae (sagae@ucdavis.edu)
John Hawkins (jhawkins@ucdavis.edu)
Emily Morgan (eimorgan@ucdavis.edu)
Justin Spence (jspence@ucdavis.edu)
Emily Tucker Prud'hommeaux (prudhome@bc.edu)