DAOXIN LI

Updated August 2024
daoxinli@sas.upenn.edu
https://daoxinli.github.io

EMPLOYMENT

Postdoctoral Fellow *2024 -*
Infant and Child Development Center, Northwestern University
PI: Sandra Waxman

EDUCATION

Ph.D. in Linguistics *2019 - 2024*
University of Pennsylvania
Dissertation: *Distributional learning of syntactic generalizations*
Committee: Charles Yang (advisor), Kathryn Schuler (co-advisor), Julie Anne Legate, John Trueswell, Marlyse Baptista

B.A. in English Language *2015 - 2019*
Tsinghua University

Non-degree Studies
Certificate in Language and Communication Science, University of Pennsylvania *2024*
(Interdisciplinary graduate training in linguistics, psychology, computer science, neuroscience and quantitative statistics)

Certificate in College and University Teaching, Penn Center for Teaching & Learning *2023*

RESEARCH INTERESTS

Behavioral and computational study of language acquisition; Syntax and semantics acquisition; Distributional learning; Word learning; Language and Cognition; Psycholinguistics; Theoretical syntax; Quantitative methods

PUBLICATIONS

Peer-reviewed Articles

7. **Daoxin Li**. (In Press). Controlling overt subjects in Mandarin. *Journal of East Asian Linguistics.*

6. **Daoxin Li** & Kathryn Schuler. (2024). Children can use distributional cues to acquire recursive structures. In *Proceedings of the Annual Meeting of the Cognitive Science Society, 46,* 1925-1932. [PDF]

5. **Daoxin Li**, Christine Soh Yue, & John Trueswell. (2024). Is it a bat or a thing? Referential contrast in the learning of homophones and superordinate terms. In *Proceedings of the Annual Meeting of the Cognitive Science Society, 46,* 2301-2307. [PDF]

4. **Daoxin Li** & Kathryn D. Schuler. (2023). Acquiring recursive structures through distributional

learning. *Language Acquisition, 30*(3–4), 323–336. doi: 10.1080/10489223.2023.2185522
awarded *Language Acquisition* 2023 Best Paper by an Untenured Scientist

3. Qing Lyu, Hua Zheng, **Daoxin Li**, Li Zhang, Marianna Apidianaki, & Chris Callison-Burch. (2022). Is *"my favorite new movie" my favorite movie*? Probing the understanding of recursive noun phrases. In *Proceedings of the 2022 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2022)*. (pp. 5286–5302). doi: 10.18653/v1/2022.naacl-main.388

2. **Daoxin Li** & Kathryn Schuler. (2021). Distributional learning of recursive structures. In *Proceedings of the Annual Meeting of the Cognitive Science Society, 43*, 1437-1443. [PDF]

1. Li Yin, R. Malatesha Joshi, **Daoxin Li**, & Seon-Kee Kim. (2020). Decisions about consonant doubling among non-native speakers of English: Graphotactic and phonological influences. *Reading and Writing, 33,* 1839–1858. doi: 10.1007/s11145-020-10017-5

Manuscripts (* indicates student mentee)

1. **Daoxin Li** & Charles Yang. (To be submitted). Productivity and the distributional learning of recursive structure.

2. Kathryn Schuler, **Daoxin Li**, & *Shengqi Zhong. (In prep). Adapting the head turn preference procedure for the web.

3. **Daoxin Li** & John Trueswell. (In prep). One meaning or two? The role of implicit referential contrast in the learning of homophones and superordinate terms.

4. **Daoxin Li**. (In prep). Distributional learning of verb argument structure: A computational model.

Conference Proceedings with Peer-reviewed Abstract (* indicates student mentee)

8. **Daoxin Li**. (To appear). Modelling the distributional learning of verb argument structure. In *Proceedings of the 48th annual Boston University Conference on Language Development (BUCLD 48)*. Somerville, MA: Cascadilla Press.

7. **Daoxin Li** & Kathryn Schuler. (2023). Distributional learning of recursive structures: The role of the structural representation. In Paris Gappmayr and Jackson Kellogg (Eds.), *Proceedings of the 47th annual Boston University Conference on Language Development (BUCLD 47)* (pp. 487-498). Somerville, MA: Cascadilla Press. [PDF]

6. **Daoxin Li**, *Shengqi Zhong, & Kathryn Schuler. (2023). Adapting infant looking time paradigms for the web. In Paris Gappmayr and Jackson Kellogg (Eds.), *Proceedings of the 47th annual Boston University Conference on Language Development (BUCLD 47)* (pp. 499-504). Somerville, MA: Cascadilla Press. [PDF]

5. **Daoxin Li**. (2023). Passives, impersonals, and Voice in Sakha. In Si Kai Lee, Sarah Asinari and Sabine Lazakovits (Eds.), *Proceedings of the Workshop on Turkic and Languages in Contact with Turkic, 7,* 88-103. doi: 10.3765/ptu.v7i1.5308

4. **Daoxin Li**. (2022). Syntactic bootstrapping mental verbs and perception verbs with limited morphosyntactic cues. In Ying Gong and Felix Kpogo (Eds.), *Proceedings of the 46th annual Boston*

University Conference on Language Development (BUCLD 46) (pp. 428-441). Somerville, MA: Cascadilla Press. [PDF]

3. **Daoxin Li**, Lydia Grohe, Petra Schulz, & Charles Yang. (2021). The distributional learning of recursive structures. In Danielle Dionne and Lee-Ann Vidal Covas (Eds.), *Proceedings of the 45th annual Boston University Conference on Language Development (BUCLD 45)* (pp. 471-485). Somerville, MA: Cascadilla Press. [PDF]

2. **Daoxin Li**. (2021). Controlling overt subjects in Mandarin. In *Proceedings of the Linguistic Society of America, 6*(1), 303-316. doi: 10.3765/plsa.v6i1.4973

1. **Daoxin Li**, Xiaolu Yang, Thomas Roeper, Michael Wilson, Rong Yin, Jaieun Kim, Emma Merritt, Diego Lopez, & Austin Tero. (2020). Acquisition of recursion in child Mandarin. In Megan M. Brown and Alexandra Kohut (Eds.), *Proceedings of the 44th annual Boston University Conference on Language Development (BUCLD 44)* (pp. 294–307). Somerville, MA: Cascadilla Press. [PDF]

PRESENTATIONS

Invited Talks

6. **Daoxin Li**. (2024). *Adults and children can use distributional cues to acquire recursive structures.* Talk at the Learning and Development Lab, Georgetown University, Washington DC, Mar 26, 2024.

5. **Daoxin Li**. (2024). *Modelling the distributional learning of verb argument structure.* Talk at the Integrated Language Sciences and Technology (ILST) Seminar, University of Pennsylvania, Philadelphia PA, Feb 9, 2024.

4. **Daoxin Li**. (2023). *Distributional learning of recursive structures.* Talk at the Language Acquisition Lab, University of Massachusetts Amherst, Amherst MA, Sep 21, 2023. (Virtual)

3. **Daoxin Li**. (2022). *Adapting infant looking time paradigms for the web.* Talk at the Integrated Language Sciences and Technology (ILST) Seminar, University of Pennsylvania, Philadelphia PA, Oct 28, 2022.

2. **Daoxin Li**. (2021). *Distributional learning of recursive structures.* Talk at the Integrated Language Sciences and Technology (ILST) Seminar, University of Pennsylvania, Philadelphia PA, Oct 1, 2021.

1. Petra Schulz, **Daoxin Li**, Lydia Grohe, & Charles Yang. (2020). *The distributional learning of recursive structures: The case of possessives in German.* Talk at the Language Acquisition Research Center (LARC) Roundtable, University of Massachusetts Amherst, Amherst MA, Oct 30, 2020. (Virtual)

Referred Conference Presentations (* indicates student mentee)

30. **Daoxin Li** & Kathryn Schuler. (2024). *Children can use distributional cues to acquire recursive structures.* Poster at the 49th annual Boston University Conference on Language Development (BUCLD 49), Boston University, Boston MA, Nov 7 - 10, 2024.

29. **Daoxin Li** & Kathryn Schuler. (2024). *Children can use distributional cues to acquire recursive structures.* Poster at the 46th Annual Conference of the Cognitive Science Society (CogSci 2024),

Rotterdam, Netherlands, Jul 24 - 27, 2024. (Virtual)

28. **Daoxin Li**, Christine Soh Yue, & John Trueswell. (2024). *Is it a bat or a thing? Referential contrast in the learning of homophones and superordinate terms.* Poster at the 46th Annual Conference of the Cognitive Science Society (CogSci 2024), Rotterdam, Netherlands, Jul 24 - 27, 2024. (Virtual)

27. **Daoxin Li**. (2024). *Modelling the distributional learning of verb argument structure.* Talk at the 98th annual meeting of the Linguistic Society of America (LSA 2024), New York NY, Jan 4 - 7, 2024.
awarded 2nd Prize for LSA Student Abstract Award

26. **Daoxin Li** & John Trueswell. (2024). *One meaning or two? The role of referential contrast in the learning of homophones and superordinate terms.* Poster at the 98th annual meeting of the Linguistic Society of America (LSA 2024), New York NY, Jan 4 - 7, 2024.

25. **Daoxin Li**. (2023). *Modelling the distributional learning of verb argument structure.* Poster at the 48th annual Boston University Conference on Language Development (BUCLD 48), Boston University, Boston MA, Nov 2 – 5, 2023.

24. **Daoxin Li** & Kathryn Schuler. (2023). *Distributional learning of recursive structures: The role of the structural representation.* Poster at the 45th Annual Meeting of the Cognitive Science Society (CogSci 2023), Sydney, Australia, Jul 26 – 29, 2023.

23. **Daoxin Li** & Kathryn Schuler. (2023). *Distributional learning of recursive structures: The role of the structural representation.* Poster at the 36th Annual Conference on Human Sentence Processing (HSP 2023), University of Pittsburgh, Pittsburgh PA, Mar 9 – 11, 2023.

22. **Daoxin Li** & John Trueswell. (2023). *Cross-situational learning homophones and general categories: The role of the referential domain.* Poster at the 97th annual meeting of the Linguistic Society of America (LSA 2023), Denver CO, Jan 5 – 8, 2023.

21. *Shengqi Zhong, **Daoxin Li**, & Kathryn Schuler. (2022). *Adapting infant looking time paradigms for the web.* Talk at the 47th annual Boston University Conference on Language Development (BUCLD 47), Boston University, Boston MA, Nov 3 – 6, 2022.

20. **Daoxin Li** & Kathryn Schuler. (2022). *Distributional learning of recursive structures: The role of the structural representation.* Poster at the 47th annual Boston University Conference on Language Development (BUCLD 47), Boston University, Boston MA, Nov 3 – 6, 2022.

19. Qing Lyu, Hua Zheng, **Daoxin Li**, Li Zhang, Marianna Apidianaki, & Chris Callison-Burch. (2022). *Is "my favorite new movie" my favorite movie? Probing the understanding of recursive noun phrases.* Talk at the 2022 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2022), Seattle WA, Jul 10 - 15, 2022.

18. **Daoxin Li**, *Shengqi Zhong, & Kathryn Schuler. (2022). *Adapting infant looking time paradigms for the web.* Talk at the XXII Biennial International Congress of Infant Studies (ICIS 2022), Ottawa, Canada, Jul 7 – 10, 2022.

17. Qing Lyu, Hua Zheng, **Daoxin Li**, Li Zhang, Marianna Apidianaki, & Chris Callison-Burch. (2022). *Is "my favorite new movie" my favorite movie? Probing the understanding of recursive noun phrases.* Poster at the 9th annual Mid-Atlantic Student Colloquium on Speech, Language and Learning (MASC-SLL 2022), Temple University, Philadelphia PA, Apr 30, 2022.

16. **Daoxin Li**. (2022). *Passives, impersonals, and Voice in Sakha.* Talk at the 58th annual meeting of the Chicago Linguistic Society (CLS 58), University of Chicago, Chicago IL, Apr 22 – 24, 2022. (Virtual)

15. **Daoxin Li**, *Shengqi Zhong, & Kathryn Schuler. (2022). *Adapting infant looking time paradigms for the web.* Poster at the 35th Annual Conference on Human Sentence Processing (HSP 2022), University of California Santa Cruz, Santa Cruz CA, Mar 24 – 26, 2022. (Virtual)

14. **Daoxin Li**. (2022). *Passives, impersonals, and Voice in Sakha.* Talk at the 7th Workshop on Turkic and Languages in Contact with Turkic (Tu+7), University of Connecticut, Storrs CT, Feb 18 – 19, 2022. (Virtual)

13. **Daoxin Li** & Kathryn Schuler. (2022). *Acquiring recursive structures through distributional learning.* Talk at the 96th annual meeting of the Linguistic Society of America (LSA 2022), Washington DC, Jan 6 – 9, 2022.

12. **Daoxin Li**. (2022). *Syntactic bootstrapping mental verbs and perception verbs with limited morphosyntactic cues.* Poster at the 96th annual meeting of the Linguistic Society of America (LSA 2022), Washington DC, Jan 6 – 9, 2022.

11. **Daoxin Li**. (2021). *Syntactic bootstrapping mental verbs and perception verbs with limited morphosyntactic cues.* Talk at the 46th annual Boston University Conference on Language Development (BUCLD 46), Boston University, Boston MA, Nov 4 – 7, 2021. (Virtual)

10. **Daoxin Li** & Kathryn Schuler. (2021). *Distributional learning of recursive structures.* Poster at the 43rd Annual Meeting of the Cognitive Science Society (CogSci 2021), University of Vienna, Austria, Jul 26 – 29, 2021. (Virtual)

9. **Daoxin Li**. (2021). *Controlling overt subjects in Mandarin.* Talk at the 33rd North American Conference on Chinese Linguistics (NACCL 33), University of Chicago, Chicago IL, Jun 24 – 25, 2021. (Virtual)

8. **Daoxin Li** & Kathryn Schuler. (2021). *Acquiring recursive structures through distributional learning.* Talk at "Recursion across Languages: The Intricacies of Babel" Workshop, Bucharest, Romania, Jun 1 – 2, 2021. (Virtual)

7. **Daoxin Li** & Kathryn Schuler. (2021). *Acquiring recursive structures through distributional learning.* Talk at the 34th Annual CUNY Conference on Human Sentence Processing (CUNY 34), University of Pennsylvania, Philadelphia PA, Mar 4 – 6, 2021. (Virtual)

6. **Daoxin Li**, Lydia Grohe, Petra Schulz, & Charles Yang. (2021). *The distributional learning of recursive structures.* Short talk at the 34th Annual CUNY Conference on Human Sentence Processing (CUNY 34), University of Pennsylvania, Philadelphia PA, Mar 4 – 6, 2021. (Virtual)

5. **Daoxin Li**. (2021). *Controlling overt subjects in Mandarin.* Talk at the 95th Annual Meeting of the Linguistic Society of America (LSA 2021), San Francisco CA, Jan 7 – 10, 2021. (Virtual)

4. **Daoxin Li**, Lydia Grohe, Petra Schulz, & Charles Yang. (2020). *The distributional learning of recursive structures.* Talk at the 45th annual Boston University Conference on Language Development (BUCLD 45), Boston University, Boston MA, Nov 5 – 8, 2020. (Virtual)

3. **Daoxin Li**, Xiaolu Yang, Thomas Roeper, Michael Wilson, Rong Yin, Jaieun Kim, Emma Mer-

ritt, Diego Lopez, & Austin Tero. (2019). *Acquisition of recursion in child Mandarin.* Poster at the 44th annual Boston University Conference on Language Development (BUCLD 44), Boston University, Boston MA, Nov 7 – 10, 2019. (Accepted as an alternate for talk)

2. **Daoxin Li**, Xiaolu Yang, Thomas Roeper, Michael Wilson, Rong Yin, Jaieun Kim, & Emma Merritt. (2019). *Acquisition of recursion in child Mandarin.* Poster at the 14th bi-annual conference on Generative Approaches to Language Acquisition (GALA 14), University of Milano-Bicocca, Italy, Sep 12 – 14, 2019.

1. Li Yin, R. Malatesha Joshi, **Daoxin Li**, & Seon-Kee Kim. (2019). *Graphotactic as well as phonological influences on decisions about consonant doubling among non-native speakers of English.* Talk at the third annual conference of the Association for Reading and Writing in Asia (ARWA 2019), Birla Institute of Technology and Science Pilani, India, Feb 28 – Mar 1, 2019.

FELLOWSHIPS, AWARDS & GRANTS

1. External

Paula Menyuk Travel Award *2024*
The 49th annual Boston University Conference on Language Development (BUCLD 49)

2nd Place, Student Abstract Award *2024*
The 98th Annual Meeting of the Linguistic Society of America (LSA 2024)

Prize for the Best Original Research Article of 2023 by an Untenured Scientist *2023*
Language Acquisition Editorial Team

Paula Menyuk Award (awarded to students who are first authors on top-rated abstracts) *2021*
The 46th annual Boston University Conference on Language Development (BUCLD 46)

2. University of Pennsylvania

Benjamin Franklin Fellowship *2019 - 2024*

Research Grant ($1,800), Integrated Language Sciences and Technology Initiative (ILST) *2024*

Research Travel Grant, Graduate and Professional Student Assembly (GAPSA) *2019, 2023, 2024*

Departmental Conference Travel Reimbursement Fund, Department of Linguistics *2023*

Dean's Travel Subvention, School of Arts and Sciences *2019, 2022(2×), 2023*

Research Fund ($1,500), Language and Communication Sciences (LCS) Initiative *2019, 2022, 2023*

Travel Grant, Graduate Student Government of the School of Arts and Sciences (SASGov) *2021*

Professional Society Membership Grant *2021*
Graduate Student Government of the School of Arts and Sciences (SASGov)

3. Tsinghua University

Outstanding Graduate Award *2019*

Merit-based Scholarship for all school years *2016 - 2018*

Undergraduate Summer Research Travel Grant *2018*

Tsinghua Initiative Scientific Research Fund *2018*

Academic Travel Award *2017*

RESEARCH POSITIONS

Graduate Researcher *2021 - 2024*
Language Learning Lab, University of Pennsylvania (PI: John Trueswell)
Project: Cross-situational learning homophones and superordinate terms

Graduate Researcher *2020 - 2024*
Child Language Lab, University of Pennsylvania (PI: Kathryn Schuler)
Project 1: Distributional learning of recursive structures in artificial language
Project 2: Adapting the head-turn preference procedure over the web

Graduate Researcher *2020 - 2024*
Syntax Lab, University of Pennsylvania (PI: Julie Anne Legate)
Project: Controlling overt subjects in Mandarin

Undergraduate Researcher *2018 - 2019*
Dept of Foreign Languages and Literatures, Tsinghua University (Supervisors: Xiaolu Yang & Tom Roeper (UMass Amherst))
Project: Acquisition of recursive possessives in child Mandarin

Undergraduate Researcher *2018*
Child Cognition Lab, Tsinghua University (Supervisor: Peng Zhou)
Project: Acquisition of serial verb constructions in Mandarin Chinese

Research Assistant *2017 - 2018*
Center for the Study of Language and Psychology, Tsinghua University (PI: Li Yin)
Project 1: Early writing facilitation in typically & atypically developing children
Project 2: Graphotactic and phonological influences on ESL learners' consonant doubling

Research Assistant *2017*
Language Acquisition Lab, Tsinghua University (PI: Xiaolu Yang)
Project: Temporal reference in the production of Mandarin-speaking children

TEACHING & MENTORING

Undergraduate Research Mentor to Izabela Baran *2024 Summer*
Child Language Lab, University of Pennsylvania

Teaching Assistant for *LING 2700: Language Acquisition* *2023 Fall*
Instructor: Aletheia Cui, University of Pennsylvania

Guest Lecturer for *LING 4000: Tutorial in Linguistics*   *2023 Fall*
"Research in experimental language acquisition"
Instructor: Aletheia Cui, University of Pennsylvania

Undergraduate Research Mentor to Milana Korobko   *2023 Summer, 2024 Summer*
Child Language Lab, University of Pennsylvania

Undergraduate Research Mentor to Zaid Tabaza   *2023 Summer - 2024 Spring*
MindCORE Summer Research Fellowship Program/Child Language Lab, University of Pennsylvania
Student next position: MSc program in Speech and Language Processing, University of Edinburgh

Recitation Instructor for *LING 0001: Introduction to Linguistics*   *2023 Spring*
Instructor: Lacey Wade, University of Pennsylvania

Teaching Assistant for *LING 300: Tutorial in Linguistics*   *2021 Fall*
Instructor: Julie Anne Legate, University of Pennsylvania

Guest Lecturer for *LING 300: Tutorial in Linguistics*   *2021 Fall*
"Statistics fundamentals"
"Research in computational language acquisition"
Instructor: Julie Anne Legate, University of Pennsylvania

Recitation Instructor for *LING 001: Introduction to Linguistics* (Virtual)   *2021 Spring*
Instructor: Martin Salzmann, University of Pennsylvania

Undergraduate Research Mentor to Shengqi Zhong   *2020 Fall - 2021 Spring*
Child Language Lab, University of Pennsylvania
Student next position: MSc program in Education Data Science, Stanford University

Teaching Assistant for *LING 270: Language Acquisition* (Virtual)   *2020 Fall*
Instructor: Charles Yang, University of Pennsylvania

SERVICES

Volunteer, the 3rd Experiments in Linguistic Meaning Conference	*2024*
Mentor, Penn Mind Sciences Diversity & Equity Initiative	*2021 - 2024*
Editorial Board, Penn Working Papers in Linguistics (PWPL)	*2019 - 2024*
Session Chair, the 48th Penn Linguistics Conference	*2024*
Treasurer, Penn Graduate Linguistics Society	*2021 - 2023*
Session Chair, Locality in Theory, Processing and Acquisition Workshop	*2023*
Session Chair, the 47th Penn Linguistics Conference	*2023*
Coordinator, Penn Linguistics Professional Development Workshop Series	*2022*
Session Chair, the 35th Annual Conference on Human Sentence Processing	*2022*
Session Chair, the 34th CUNY Conference on Human Sentence Processing	*2021*
Committee Chair, the 45th Penn Linguistics Conference	*2020 - 2021*
Organizing Committee, the 44th Penn Linguistics Conference	*2019 - 2020*
Volunteer, the 2nd International Conference on Theoretical East Asian Psycholinguistics	*2019*
Co-founder & Vice President, Students' Linguistic Society of Tsinghua University	*2018 - 2019*

REVIEWING

Journals

Language Acquisition: 1	*2023*
Journal of Chinese Linguistics: 1	*2022*

Conferences

Annual Conference of the Cognitive Science Society (CogSci): 7	*2023 - Present*
Penn Linguistics Conference (PLC): 10	*2022 - Present*
Biennial Conference on Generative Approaches to Language Acquisition (GALA): 3	*2022*

MEMBERSHIPS

International Congress of Infant Studies (ICIS)	*2022 - Present*
Cognitive Science Society (CogSci)	*2020 - Present*
Linguistic Society of America (LSA)	*2020 - Present*

SKILLS

Technical Skills

C, Python, R, jsPsych, PCIbex, CLAN, LaTeX, Praat, Audacity, Premiere, Prolific, Lookit

Languages

English (proficient)
Mandarin Chinese (native)
German, Latin (beginner)
Sakha (fieldwork)