DAOXIN LI

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https://daoxinli.github.io

EDUCATION

Ph.D. in Linguistics *2019 - May 2024 (expected)*
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

RESEARCH INTERESTS

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

PUBLICATIONS

Peer-reviewed Articles
1. **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 Early Career Scientist

2. 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. *Proceedings of the 2022 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2022)*, 5286–5302. doi: 10.18653/v1/2022.naacl-main.388 [Data & code]

3. 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
1. **Daoxin Li**. (In revision). Controlling overt subjects in Mandarin. *Journal of East Asian Linguistics.*

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

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

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

Conference Proceedings

1. **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)*. Somerville, MA: Cascadilla Press. [PDF]

2. **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)*. Somerville, MA: Cascadilla Press. [PDF]

3. **Daoxin Li**. (2023). Passives, impersonals, and Voice in Sakha. In Si Kai Lee, Sarah Asinari and Sabine Lazakovits (Eds.), *Proceedings of the 7th Workshop on Turkic and Languages in Contact with Turkic (Tu+7)* (pp. 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]

5. **Daoxin Li** & Kathryn Schuler. (2021). Distributional learning of recursive structures. In *Proceedings of the 43rd Annual Conference of the Cognitive Science Society (CogSci 2021)*. (pp. 1437-1443). [PDF]

6. **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]

7. **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

8. **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
1. **Daoxin Li**. (2023). *Distributional learning of recursive structures.* Talk at the Language Acquisition Lab, University of Massachusetts Amherst, Amherst MA, Sep 21, 2023. (Virtual)

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.

3. 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 Talks

1. **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.

2. 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.

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.* 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.

4. **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.

5. **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)

6. **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)

7. **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.

8. **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)

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)

10. **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)

11. **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)

12. **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)

13. **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)

14. 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.

Referred Conference Posters

1. **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.

2. **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.

3. **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.

4. **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.

5. **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.

6. Kathryn Schuler & **Daoxin Li**. (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.

7. 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.

8. **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)

9. **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.

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)

11. **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)

12. **Daoxin Li**, Xiaolu Yang, Thomas Roeper, Michael Wilson, Rong Yin, Jaieun Kim, Emma Merritt, 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)

13. **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.

FELLOWSHIPS, AWARDS & GRANTS

Doctoral Dissertation Research Improvement Grant *Submitted*
National Science Foundation

Benjamin Franklin Fellowship *2019 - 2024*
University of Pennsylvania

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

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

Research Travel Grant *2019, 2023*
The Graduate and Professional Student Assembly (GAPSA), University of Pennsylvania

Research Fund *2019, 2022, 2023*
Language and Communication Sciences (LCS) Initiative, University of Pennsylvania

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

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

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)

Outstanding Graduate Award *2019*
Tsinghua University

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

Undergraduate Summer Research Travel Grant *2018*
Tsinghua University

Tsinghua Initiative Scientific Research Fund *2018*
Tsinghua University

Academic Travel Award *2017*
Tsinghua University & Banco Santander

RESEARCH POSITIONS

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

Graduate Researcher *2020 - present*
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 - present*
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

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 M. Korobko *2023 Summer - Present*
Child Language Lab, University of Pennsylvania

Undergraduate Research Mentor to Z. Tabaza *2023 Summer - Present*
MindCORE Summer Research Fellowship Program/Child Language Lab, University of Pennsylvania

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 S. Zhong (Virtual)   *2020 Fall - 2021 Spring*
Child Language Lab, University of Pennsylvania

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

SERVICES

Mentor, Penn Mind Sciences Diversity & Equity Initiative	*2021 - Present*
Editorial Board, Penn Working Papers in Linguistics (PWPL)	*2019 - Present*
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
Journal of Chinese Linguistics	*2022*

Conferences
Annual Meeting of the Cognitive Science Society (CogSci)	*2023*
Penn Linguistics Conference (PLC)	*2022 - 2023*
Biennial Conference on Generative Approaches to Language Acquisition (GALA)	*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 (fluent)
Mandarin Chinese (native)
German, Latin (beginner)
Sakha (fieldwork)

Certificates

Certificate in CITI Program: Human Research – Social / Behavioral Research
Certificate in College and University Teaching, Penn Center for Teaching & Learning