

Veronica Boyce

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EDUCATION

Stanford University

Doctor of Philosophy in Psychology

Massachusetts Institute of Technology

Bachelor of Science in Brain & Cognitive Science

Stanford, CA

Anticipated June 2025

Cambridge, MA

June 2019

WORK EXPERIENCE

MIT, Computational Psycholinguistics Lab

Research Support Associate

Cambridge, MA

June 2019 – July 2020

PUBLICATIONS

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- M. C. Frank, V. A. Marchman, C. A. Bergey, **V. Boyce**, M. Braginsky, G. Kachergis, J. Mankewitz, S. Meyland, B. Prystawski, N. Ram, R. Sparks, A. Steffan, A. Tan, and M. Zettersten (2025). “Continuous developmental changes in word recognition support language learning across early childhood”. Preprint at osf.io/dtv2f_v1.
- V. Boyce**, R. Hawkins, N. D. Goodman, and M. C. Frank (2024). “Interaction Structure Constrains the Emergence of Conventions in Group Communication”. *PNAS*.
- V. Boyce**, B. Prystawski, A. B. Abutto, E. M. Chen, Z. Chen, H. Chiu, I. Ergin, A. Gupta, C. Hu, B. Kemmann, N. Klevak, V. Y. Q. Lua, M. Mazzaferro, K. Mon, D. Ogunbamowo, A. Pereira, J. Troutman, S. Tung, R. Uricher, and M. C. Frank (2024). “Estimating the replicability of psychology experiments after an initial failure to replicate”. *Collabra: Psychology*.
- A. Chuey, **V. Boyce**, A. Cao, and M. C. Frank (2024). “Conducting Developmental Research Online vs. in-Person: A Meta-Analysis”. *Open Mind*.
- M. Soderstrom, J. Rocha-Hidalgo, L. E. Muñoz, A. Bochynska, J. F. Werker, B. Skarabela, A. Seidl, Y. Ryjova, J. L. Rennels, C. E. Potter, et al. (2024). “Testing the relationship between preferences for infant-directed speech and vocabulary development: A multi-lab study”. *Journal of child language*, pp. 1–26.
- V. Boyce** and R. Levy (2023). “A-Maze of Natural Stories: Comprehension and Surprisal in the Maze Task”. *Glossa Psycholinguistics*.
- V. Boyce**, M. Mathur, and M. C. Frank (2023). “Eleven Years of Student Replication Projects Provide Evidence on the Correlates of Replicability in Psychology”. *Royal Society Open Science*.
- M. Zettersten, D. Yurovsky, T. L. Xu, S. Uner, A. S. M. Tsui, R. M. Schneider, A. N. Saleh, S. C. Meylan, V. A. Marchman, J. Mankewitz, K. MacDonald, B. Long, M. Lewis, G. Kachergis, K. Handa, B. deMayo, A. Carstensen, M. Braginsky, **V. Boyce**, N. S. Bhatt, C. A. Bergey, and M. C. Frank (2023). “Peekbank: An Open, Large-Scale Repository for Developmental Eye-Tracking Data of Children’s Word Recognition”. *Behavior Research Methods*.
- V. Boyce**, R. Futrell, and R. P. Levy (2020). “Maze Made Easy: Better and Easier Measurement of Incremental Processing Difficulty”. *Journal of Memory and Language*.

CONFERENCE PAPERS

- V. Boyce**, B. Prystawski, A. W. Tan, and M. C. Frank (2025). “Idiosyncratic but not opaque: Linguistic conventions formed in reference games are interpretable by naïve humans and vision–language models”. *Proceedings of the Annual Meeting of the Cognitive Science Society*. Poster, preprint at https://osf.io/7d6sv_v1.
- V. Boyce** and M. C. Frank (2023). “Communicative Reduction in Referring Expressions within a Multi-Player Negotiation Game”. *Proceedings of the Annual Meeting of the Cognitive Science Society*. Poster.
- V. Boyce**, R. Hawkins, N. Goodman, and M. C. Frank (2022). “Two’s Company but Six Is a Crowd: Emergence of Conventions in Multiparty Communication Games”. *Proceedings of the Annual Meeting of the Cognitive Science Society*. Talk.
- J. Mankewitz, **V. Boyce**, B. Waldon, G. Loukatou, D. Yu, J. Mu, N. D. Goodman, and M. C. Frank (2021). “Multi-Party Referential Communication in Complex Strategic Games”. *Meaning in Context: Pragmatic Communication in Humans and Machines workshop. NeurIPS*.
- M. Zettersten, C. A. Bergey, N. S. Bhatt, **V. Boyce**, M. Braginsky, A. Carstensen, B. deMayo, G. Kachergis, M. Lewis, B. Long, K. MacDonald, J. Mankewitz, S. C. Meylan, A. N. Saleh, R. M. Schneider, A. S. M. Tsui, S. Uner, T. L. Xu, D. Yurovsky, and M. C. Frank (2021). “Peekbank: Exploring Children’s Word Recognition through an Open, Large-Scale Repository for Developmental Eye-Tracking Data”. *Proceedings of the Annual Meeting of the Cognitive Science Society*.
- V. Boyce**, A. Aravind, and M. Hackl (2017). “Lexical and Syntactic Effects on Auxiliary Selection: Evidence from Child French”. *Boston University Conference on Language Development*. Talk.

CONFERENCE PRESENTATIONS

- V. Boyce** and R. P. Levy (2025). “Linguistic, but not visual, discourse context modulates syntactic parsing in the Maze”. The 38th Annual Conference on Human Sentence Processing. Poster.
- V. Boyce**, B. Prystawski, A. W. Tan, and M. C. Frank (2025). “Context matters: History and informativity affect understanding of opaque references”. The 38th Annual Conference on Human Sentence Processing. Poster.
- V. Boyce**, R. Sparks, Y. Mofor, and M. C. Frank (2025). “Preschoolers can form conventional pacts with each other to communicate about novel referents”. the Annual Meeting of the Cognitive Science Society. Poster, preprint at https://osf.io/dpgfw_v1.
- J. Vigly, **V. Boyce**, M. Socolof, J. Michaelov, T. von der Malsburg, and R. Levy (2025). “Implicit gender bias in linguistic descriptions for expected events: The case of the 2024 United States presidential election”. The 38th Annual Conference on Human Sentence Processing. Poster.
- V. Boyce**, I. Chen, B. Sparks, M. Perez, and M. C. Frank (2024). “4-5 year old children can successfully communicate using ad-hoc referential expressions”. CAMP 6. Talk.
- V. Boyce**, R. Hawkins, N. Goodman, and M. C. Frank (2023). “Thick Feedback Facilitates Referential Coordination in Larger Groups”. CAMP 5. Talk.
- V. Boyce**, R. Hawkins, N. Goodman, and M. C. Frank (2023). “Thick Feedback Facilitates Referential Coordination in Larger Groups”. HSP. Poster.
- T. Poppels, **V. Boyce**, C. Ajunwa, T. von der Malsburg, and R. Levy (2021). “Bias against ‘she’ Pronouns Can Be Rapidly Overcome by Changing Event Expectations”. CUNY Human Sentence Processing Conference. Short talk.
- V. Boyce** and R. Levy (2020). “A-Maze of Natural Stories: Texts Are Comprehensible Using the Maze Task”. Architectures and Mechanisms for Language Processing. Talk.

- V. Boyce**, R. Futrell, and R. P. Levy (2019). “Maze Made Easy: Better and Easier Measurement of Incremental Processing Difficulty”. CUNY Human Sentence Processing Conference. Poster.
- V. Boyce**, T. von der Malsburg, T. Poppels, and R. Levy (2019). “Female Gender Is Consistently Under-Expressed in Pronoun Production and under-Inferred in Comprehension”. Linguistic Society of American Annual Meeting. Poster.
- V. Boyce**, T. von der Malsburg, T. Poppels, and R. Levy (2019). “Remember ‘Him’, Forget ‘Her’: Gender Bias in the Comprehension of Pronominal Referents.” CUNY Human Sentence Processing Conference. Poster.
- V. Boyce**, T. von der Malsburg, T. Poppels, and R. Levy (2018). “Implicit Gender Biases in the Production and Comprehension of Pronominal References”. CUNY Human Sentence Processing Conference. Poster.

AWARDS

Open Science Innovator Prize, Stanford CORES	2025
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TEACHING

Stanford, Department of Psychology	Stanford, CA
TA for PSYCH 125: Research Methods in Psychology	Jan 2024 – March 2024
TA for PSYCH 251: Experimental Methods	Sep 2022 – Dec 2022, Sep 2023 – Dec 2023
TA for PSYCH 45: Introduction to Learning and Memory	April 2023 – June 2023
TA for PSYCH 220B: Probabilistic Models of Cognition: Language	Sep 2021 – Dec 2021
MIT, Department of Brain & Cognitive Science	Cambridge, MA
TA for Computational Psycholinguistics	February 2019 – May 2019

MENTORING

Spurti Nimbali (Stanford undergrad)	2025
Zihan Wang (Stanford undergrad)	2025
Yannick Mofo (Stanford undergrad)	2024
Rebecca Pizzitola (Stanford undergrad)	2024
Victoria Phan (Stanford undergrad)	2024
Hana Doueiri (Stanford undergrad)	2024
Ilaria Chen (Stanford undergrad)	2023
Malia Perez (Stanford undergrad)	2023
Brittany Linus (Stanford undergrad)	2022
Chelsea Ajunwa (MIT undergrad)	2020
Arun Wongprommoon (MIT undergrad)	2019

REVIEWING

Journals: Psychological Science (2025), Perspectives on Psychological Science (2025), Open Mind (2025), Language, Cognition, and Neuroscience (2024), Nature Human Behavior (2024), Glossa Psycholinguistics (2021-2023), Royal Society Open Science (2024), Journal of Experimental Psychology: Learning, Memory, and Cognition (2023), Journal of Memory and Language (2023),

Conferences: CogSci (2021-2025), California Meeting of Psycholinguists (2023), Society for Computation in Linguistics (2020), Association for Computational Linguistics (2019)