

# Michael C. Stern

## *Curriculum Vitae*

Yale Linguistics Department  
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29 February 2024

## RESEARCH INTERESTS

- Phonetics
- Phonology
- Neurolinguistics
- Psycholinguistics

## EDUCATION

- 2020- **PhD, Linguistics, Yale University**  
Advisor: Jason A. Shaw
- 2017-2020 **MA, Linguistics, The Graduate Center, City University of New York**  
Thesis: *Testing the perceptual magnet effect in monolinguals and bilinguals*  
Advisors: Kyle Gorman, Gita Martohardjono
- 2012-2016 **BA, Social Thought & Political Economy, University of Massachusetts Amherst**  
Minor in Arabic Language, Commonwealth Honors College, Phi Beta Kappa  
Thesis: *Reflections on being a stranger: A collection of nonfiction prose*  
Advisor: Connie D. Griffin
- 2015 **School for International Training, Amman, Jordan**  
Thesis: *Effects of social identity on Jordanian youth perceptions of activism*  
Advisors: Ashraf Alqudah, Marwan Al-Zoubi

## FELLOWSHIPS AND AWARDS

- 2020- University Fellowship, Yale University
- 2023 MacMillan Center International Conference Travel Grant, Yale University
- 2022 Graduate Student Assembly Conference Travel Fellowship, Yale University
- 2021-2022 Franklin S. Cooper Fellowship Fund, Yale University
- 2021 Student presenter honorarium, Conference on Central Asian Languages and Linguistics (ConCALL-4)
- 2020 Dean's Thesis Prize for Outstanding Thesis, The Graduate Center, CUNY
- 2019-2020 Linguistics Program academic scholarship, The Graduate Center, CUNY
- 2019 Student travel award, Workshop on Sound Change (WSC-5)
- 2018-2019 MA student conference travel awards, The Graduate Center, CUNY

## PUBLICATIONS

### JOURNAL ARTICLES

- [4] Chen, W., **Stern, M. C.**, Whalen, D. H., Derrick, D., Carignan, C., Best, C. T., & Tiede, M. K. (under revision). ALPHUS: Adjustable laboratory probe holder for ultrasound. *Journal of Phonetics*.
- [3] **Stern, M. C.** & Shaw, J. A. (2023). Neural inhibition during speech planning contributes to contrastive hyperarticulation. *Journal of Memory and Language*, 132.

- [2] **Stern, M. C.**, Stover, L., Guerra, E., & Martohardjono, G. (2021). Syntactic and semantic influences on the time course of relative clause processing: The role of language dominance. *Brain Sciences*, 11(8), 1–35.
- [1] **Stern, M. C.**, Madsen II, C. N., Stover, L. M., Lowry, C., & Martohardjono, G. (2019). Language history attenuates syntactic prediction in L1 processing. *Journal of Cultural Cognitive Science*, 4(2), 235-255.

MEDIA COVERAGE: [Graduate Center News](#), [CUNY SUM](#)

## BOOK CHAPTERS

- [2] **Stern, M. C.**, Dayal, V., Martohardjono, G., Chen, M., & Madsen II, C. N. (2022). Definiteness and argument position in the interpretation of bare nouns: From L1 Mandarin to L2 English. In T. Leal, E. Shimanskaya, and C. A. Isabelli (Eds.), *Generative SLA in the Age of Minimalism. Features, Interfaces, and Beyond. Selected Proceedings of the 15<sup>th</sup> Generative Approaches to Second Language Acquisition Conference*. Amsterdam: John Benjamins.
- [1] Stover, L., **Stern, M. C.**, Lowry, C., Martohardjono, G., & Madsen II, C. N. (2021). Effects of language dominance on L1 relative clause processing. In *Syntax Processing* (pp. 206-233). Newcastle upon Tyne: Cambridge Scholars Publishing.

## CONFERENCE PROCEEDINGS

- [5] **Stern, M. C.**, & Shaw, J. A. (2023). Not all phonological neighbors affect production equivalently: predictions from a neural dynamic model. *Proceedings of the 20th International Congress of Phonetic Sciences (ICPhS)*, Prague, Czech Republic.
- [4] Kramer, B., **Stern, M. C.**, Wang, Y., Liu, Y., & Shaw, J. A. (2023). Synchrony and stability of articulatory landmarks in English and Mandarin CV sequences. *Proceedings of the 20th International Congress of Phonetic Sciences (ICPhS)*, Prague, Czech Republic.
- [3] Liu, Y., Wang, Y., **Stern, M. C.**, Kramer, B., & Shaw, J. A. (2023). Temporal scope of articulatory slowdown under informational focus: data from English and Mandarin. *Proceedings of the 20th International Congress of Phonetic Sciences (ICPhS)*, Prague, Czech Republic.
- [2] **Stern, M. C.**, Chaturvedi, M., & Shaw, J. A. (2022). A dynamic neural field model of phonetic trace effects in speech errors. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 44.
- [1] **Stern, M. C.** (2021). Phonological contrast drives phonetic implementation: Evidence from category goodness ratings. *University of Pennsylvania Working Papers in Linguistics*, 27(1), 221–230.

## PRESENTATIONS

### REFEREED PAPERS

- [20] Tiede, M., Boyce, S., **Stern, M. C.**, Rebernik, T., & Wieling, M. (2024). Production Allophones of North American English Liquids. Paper to be presented at the 13<sup>th</sup> International Seminar in Speech Production (ISSP), Autrans, France.
- [19] Shaw, J. A. & **Stern, M. C.** (2024). A first-order dynamics for prosodically-conditioned variation in articulation. Paper to be presented at the 19<sup>th</sup> Conference on Laboratory Phonology (LabPhon 19), Hanyang Institute for Phonetics and Cognitive Sciences of Language (HIPCS), Hanyang University, Seoul, Korea.
- [18] **Stern, M. C.** & Piñango, M. M. (2024). Dynamic neural field model of lexical meaning predicts contextual modulation during real-time comprehension. Paper presented at the 2024 Linguistic Society of America Annual Meeting (LSA 2024), New York, NY.
- [17] **Stern, M. C.** (2023). Articulatory coordination in CV syllables: movement stiffness and onset lag. Paper presented at the 24<sup>th</sup> Annual SYNC (Stony Brook, Yale, NYU, CUNY) Conference, Stony Brook University.
- [16] Macey, N., **Stern, M. C.**, Lee-Kim, S., & Shaw, J. A. (2023). A dynamic neural model of the interaction between social and lexical influences on speech production: the case of retroflex sibilants in Taiwan Mandarin. Paper presented at the 51<sup>st</sup> New Ways of Analyzing Variation Conference (NWAV 51), Queens College.
- [15] **Stern, M. C.**, & Shaw, J. A. (2023). Not all phonological neighbors affect production equivalently: predictions from a neural dynamic model. Paper presented at the 20th International Congress of Phonetic Sciences (ICPhS), Prague, Czech Republic.
- [14] Kramer, B., **Stern, M. C.**, Wang, Y., Liu, Y., & Shaw, J. A. (2023). Synchrony and stability of articulatory landmarks in English and Mandarin CV sequences. Paper presented at the 20th International Congress of Phonetic Sciences (ICPhS), Prague, Czech Republic.
- [13] Liu, Y., Wang, Y., **Stern, M. C.**, Kramer, B., & Shaw, J. A. (2023). Temporal scope of articulatory slowdown under informational focus: data from English and Mandarin. Paper presented at the 20th International Congress of Phonetic Sciences (ICPhS), Prague, Czech Republic.
- [12] **Stern, M. C.** & Shaw, J. A. (2023). Coupling the neural dynamics of phonetic and lexical planning in speech production. Paper presented at the 23<sup>rd</sup> Annual SYNC (Stony Brook, Yale, NYU, CUNY) Conference, Yale University.
- [11] **Stern, M. C.**, Whalen, D. H., & Tiede, M. K. (2022). Quantifying tongue shape in the coronal dimension. Paper presented at the 10<sup>th</sup> Conference on Ultrasound Imaging for Speech and Language Research (Ultrafest X), Manchester, UK.
- [10] **Stern, M. C.**, Shaw, J. A., & Kawahara, S. (2022). Assessing phonological control of parasagittal tongue shape in Japanese sibilants. Paper presented at the 96<sup>th</sup> Annual Meeting of the Linguistic Society of America (LSA), Washington, DC.
- [9] Porru, I., **Stern, M. C.**, & Martohardjono, G. (2021). Comparing dominance measures in bilingual speakers of typologically different languages. Paper presented virtually at the 4th Conference on Central Asian Languages and Linguistics (ConCALL-4), Indiana University.
- [8] **Stern, M. C.**, Gorman, K., & Martohardjono, G. (2020). Subcategorical representations of corner vowels versus non-corner vowels. Paper accepted at the 44<sup>th</sup> Penn Linguistics Conference (PLC 44), University of Pennsylvania (canceled due to COVID-19).

- [7] Porru, I., **Stern, M. C.**, & Martohardjono, G. (2020). Explicit and implicit measures of language dominance in Turkish-English bilinguals. Paper presented at the 3<sup>rd</sup> Boğaziçi University Student Conference on Theoretical & Experimental Linguistics (BUSCTEL), Istanbul, Turkey.
- [6] **Stern, M. C.**, Martohardjono, G., Dayal, V., & Madsen II, C. N. (2019). Definiteness and maximality in the interpretation of L2 English ungrammatical bare nouns. Paper presented at the Experimental Psycholinguistics Conference, Palma de Mallorca, Spain.
- [5] Stover, L. M., **Stern, M. C.**, Lowry, C., Martohardjono, G., & Madsen II, C. N. (2019). Language dominance affects bilingual processing of L1 relative clauses. Paper presented at the Experimental Psycholinguistics Conference, Palma de Mallorca, Spain.
- [4] Stover, L. M., **Stern, M. C.**, Lowry, C., Martohardjono, G., & Madsen II, C. N. (2019). Effects of language dominance on the predictive processing of L1 relative clauses. Paper presented at Psycholinguistics in Iceland – Parsing and Prediction (PIPP), Reykjavik, Iceland.
- [3] **Stern, M. C.**, Madsen II, C. N., Dayal, V., & Martohardjono, G. (2019). From determiner-less L1 to L2 acquisition of determiners: The unambiguity hypothesis. Paper presented at the 15th Annual Generative Approaches to Second Language Acquisition conference (GASLA 15), University of Nevada, Reno.
- [2] **Stern, M. C.**, Martohardjono, G., Dayal, V., & Madsen II, C. N. (2019). Semantic transfer effects in the L2 interpretation of English ungrammatical bare nouns. Paper accepted at the Second International Conference on Theoretical East Asian Psycholinguistics (ICTEAP-2), Tsinghua University.
- [1] **Stern, M. C.** (2018). Revisiting the “perceptual magnet effect”: Language experience and perceptual warping. Paper presented at the 20th Annual SYNC Conference, Stony Brook University.

## REFEREED POSTERS

- [13] Macey, N., **Stern, M. C.**, Lee-Kim, S., & Shaw, J. A. (2024). A dynamical theory of latent phonological contrasts. Poster to be presented at the 19<sup>th</sup> Conference on Laboratory Phonology (LabPhon 19), Hanyang Institute for Phonetics and Cognitive Sciences of Language (HIPCS), Hanyang University, Seoul, Korea.
- [12] **Stern, M. C.** & Shaw, J. A. (2024). Towards a minimal dynamics for gestures: a law relating velocity and position. Poster to be presented at the 13<sup>th</sup> International Seminar in Speech Production (ISSP), Autrans, France.
- [11] Wang, Y., Kramer, B., Macey, N., **Stern, M. C.**, Liu, Y., & Shaw, J. A. (2023). Cross-linguistic influence on the gestural dynamics of focus prosody in native Mandarin learners of L2 English. Poster presented at the 3<sup>rd</sup> Hanyang International Symposium on Phonetics and Cognitive Sciences of Language (HISPhonCog 2023), Seoul, Korea.
- [10] **Stern, M. C.**, Chaturvedi, M., & Shaw, J. A. (2022). A dynamic neural field model of phonetic trace effects in speech errors. Poster presented at the 44<sup>th</sup> Annual Meeting of the Cognitive Science Society (CogSci), Toronto, ON.
- [9] **Stern, M. C.** & Shaw, J. A. (2022). Minimal-pair-induced phonetic change over multiple timescales. Poster presented at the 18<sup>th</sup> Conference on Laboratory Phonology (LabPhon).
- [8] **Stern, M. C.**, & Shaw, J.A. (2022). Neural inhibition during speech planning contributes to contrastive hyperarticulation. Poster presented at the 12<sup>th</sup> International Workshop on Language Production (IWOLP), Pittsburgh, PA.

- [7] **Stern, M. C.** & Shaw, J. A. (2021). [tongue fold] as an emergent distinctive feature: kinematic evidence from Japanese sibilants. Poster presented virtually at the Annual Meeting on Phonology (AMP), Toronto, ON.
- [6] **Stern, M. C.**, Chen, M., Dayal, V., & Martohardjono, G. (2020). Discourse versus syntax: The interpretation of ungrammatical bare nouns in L2 English. Poster presented virtually at the first Experiments in Linguistic Meaning (ELM) conference, University of Pennsylvania.
- [5] **Stern, M. C.**, Gorman, K., & Martohardjono, G. (2020). Measuring subcategorical representations of speech sounds. Poster presented at the Berkeley Linguistics Society special workshop, Phonological Representations: At the Intersection of Categoricity and Gradience, University of California, Berkeley.
- [4] **Stern, M. C.** (2019). The perceptual magnet effect as a mechanism of contact-induced sound change. Poster presented at the 5th Workshop on Sound Change, University of California, Davis.
- [3] **Stern, M. C.** (2019). Magnet effects in monolingual and bilingual perception. Poster presented at the 27th Manchester Phonology Meeting, The University of Manchester.
- [2] **Stern, M. C.**, Martohardjono, G., & Dayal, V. (2019). The acquisition of (in)definiteness: From L1 Mandarin to L2 English. Poster presented at the Workshop on Identifying (In)definiteness: From Silent Morphosyntax to Semantics, Yale University.
- [1] Madsen II, C. N., **Stern, M. C.**, Stover, L. M., Lowry, C., & Martohardjono, G. (2019). Eye-tracking investigation of relative clause processing in two groups of bilingual speakers. Poster presented at the 93rd Annual Meeting of the Linguistic Society of America (LSA), New York, NY.

#### INVITED TALKS

- [2] **Stern, M. C.** (2022). *Psycholinguistic models*. Guest lecture for Jason Shaw's class "Introduction to Linguistics", Yale University.
- [1] **Stern, M. C.**, Franciotti, P., & Stover, L. M. (2019). *Eye-tracking in bilingualism research*. Guest lecture for Irina Sekerina's class "Introduction to Psycholinguistics: Eye-Tracking", The Graduate Center, CUNY.

#### WORKSHOP TALKS

- [2] **Stern, M. C.** (2018). Context effects on acceptability judgments. Paper presented at the 13th Annual Showcasing Quirky and Unusual Ideas in Development (SQUID), The Graduate Center, CUNY.
- [1] Madsen II, C. N., **Stern, M. C.**, Stover, L. M., Lowry, C., & Martohardjono, G. (2018). Eye-tracking investigation of relative clause processing in Spanish heritage speakers. Paper presented at Connecting Innovative Research in CUNY Linguistics (CIRCL), The Graduate Center, CUNY.

## RESEARCH POSITIONS

2022-	Research Assistant, Haskins Laboratories, New Haven, CT NSF grant BCS-2141275: Estimating Articulatory Constriction Place and Timing from Speech Acoustics (PIs: Mark Tiede, Carol Espy-Wilson, Suzanne Boyce) NIH grant DC-002717: Links Between Production and Perception in Speech (PI: Doug Whalen)
2019-2021	Research Consultant to Veneeta Dayal, Yale University
2018-2020	Research Coordinator, Second Language Acquisition Lab, The Graduate Center, CUNY
2017-2018	Research Assistant, Second Language Acquisition Lab, The Graduate Center, CUNY

## TEACHING EXPERIENCE

Spring 2024	Teaching Fellow, Language and Gender, Yale University
Spring 2023	Teaching Fellow, Cognitive Science of Language, Yale University
Fall 2022	Teaching Fellow, Introduction to Linguistics, Yale University
2018-2020	Mentor, Second Language Acquisition Lab, The Graduate Center, CUNY
2016-2017	English Language Instructor, Chungdahm Learning, South Korea

## PROFESSIONAL ACTIVITIES

2020-	2 manuscript reviews for: <i>Language Acquisition: A Journal of Developmental Linguistics</i> ; <i>Proceedings of the Experimental Psycholinguistics Conference</i>
2023-	5 abstract reviews for: 23 <sup>rd</sup> Annual SYNC Conference, Yale University; 24 <sup>th</sup> Annual SYNC Conference, Stony Brook University
2023-2023	Co-organizer, 23 <sup>rd</sup> Annual SYNC Conference, Yale University
2021-2022	Co-organizer, Linguistics Colloquium Series, Yale University
2021-2023	Lead organizer, Phonetics/Phonology Reading Group, Yale University
2020-	Member, Phonetics/Phonology Reading Group, Yale University
2019-2020	Lead organizer, Phonetics/Phonology Reading Group, The Graduate Center, CUNY
2018-2019	Member, Bilingualism Reading Group, The Graduate Center, CUNY