

# ALICIA PARRISH

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## EDUCATION

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- New York University, Ph.D in Linguistics**                      September 2017 - September 2022 (expected)  
Dissertation: *The interaction between conceptual combination and linguistic structure*
- Michigan State University, M.A. in Linguistics**                      August 2014 - June 2017  
Thesis: *Incremental processing effects in nominal compounds*
- Illinois State University, B.A. in Psychology**                      August 2006 - June 2010  
Graduated *magna cum laude*. Minor concentrations in Cognitive Science and French

## RESEARCH EXPERIENCE & PROFESSIONAL DEVELOPMENT

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- NYU Machine Learning for Language Lab**                      Spring 2021 - present  
Lab member                      New York, NY
- Facebook (via Pro Unlimited)**                      Summer 2020  
Linguist, Assistant Engineering Team                      Redmond, WA (remote)
- NYU Neuroscience of Language Lab**                      Fall 2017 - present  
Lab member                      New York, NY
- NYU Child Language Lab**                      Fall 2017 - present  
Lab member                      New York, NY
- Genetics and the Neurobiology of Language**                      Summer 2018  
Intensive summer course student                      Cold Spring Harbor, NY
- MSU Neurolinguistics Lab**                      Fall 2014 - Spring 2017  
Lab member                      East Lansing, MI
- MSU Semantics Group**                      Spring 2015  
Lab member                      East Lansing, MI

## GRANTS & FELLOWSHIPS

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- National Science Foundation**                      March 2022  
Doctoral Dissertation Research Improvement Grant (Amount: \$16,740)  
Project: *The interaction between conceptual combination and linguistic structure*
- NYU Graduate School of Arts and Sciences**                      2017-2022  
MacCracken Fellowship
- NYU Graduate School of Arts and Sciences**                      Fall 2017, Fall 2019  
Dean's travel grant
- MSU Cognitive Science Program**                      Summer 2015  
Summer Research Fellowship Award

## PUBLICATIONS – PEER REVIEWED PAPERS

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- 2022** \*Parrish, A., Trivedi, H., \*Perez, E., Chen, A., Nangia, N., Phang, J., Bowman, S. R. Single-Turn Debate Does Not Help Humans Answer Hard Reading-Comprehension Questions. To appear in *Proceedings of the ACL 2022 Workshop on Learning from Natural Language Supervision (LNLS)*. \*Equal contribution
- \*Pang, R. Y., \*Parrish, A., \*Joshi, N., Nangia, N., Phang, J., Chen, A., Padmakumar, V., Ma, J., Thompson, J., He H., Bowman, S. R. QuALITY: Question Answering with Long Input Texts, Yes! To appear in the *Proceedings of the North American Association of Computational Linguistics (NAACL 2022)*. arXiv preprint: <https://arxiv.org/abs/2112.08608> \*Equal contribution.
- Parrish, A.**, Chen, A., Htut, P. M., Nangia, N., Padmakumar, V., Phang, J., Thompson, J., Bowman, S. R. BBQ: A Hand-Built Bias Benchmark for Question Answering. To appear in *Findings of the Association for Computational Linguistics (ACL 2022)*. arXiv preprint: <https://arxiv.org/abs/2110.08193>
- 2021** \*Parrish, A., \*Schuster, S., \*Warstadt, A., Agha, O., Lee, S.-H., Zhao, Z., Bowman, S. R., Linzen, T. (2021). NOPE: A Corpus of Naturally-Occurring Presuppositions in English. *Proceedings of the SIGNLL Conference on Computational Natural Language Learning (CoNLL) 2021*. \*Equal contribution.
- Parrish, A.**, Huang, W., Agha, O., Lee, S.-H., Nangia, N., Warstadt, A., Aggarwal, K., Allaway, E., Linzen, T., & Bowman, S. (2021). Does Putting a Linguist in the Loop Improve NLU Data Collection? *Findings of the conference on Empirical Methods in Natural Language Processing (EMNLP 2021)*.
- Parrish, A.** & Pylkkänen (2021) Conceptual combination in the LATL with and without syntactic composition. *Neurobiology of Language*. <https://doi.org/10.1162/nol.a.00048>.
- 2020** Warstadt, A., **Parrish, A.**, Liu, H., Mohananey, A., Peng, W., Wang, S. F., Bowman, S. (2020) BLiMP: The Benchmark of Linguistic Minimal Pairs for English. *Transactions of the Association for Computational Linguistics*. <https://arxiv.org/abs/1912.00582>.
- 2019** \*Warstadt, A., \*Cao, Y., \*Grosu, I., \*Peng, W., \*Blix, H., \*Nie, Y., \*Alsop, A., \*Bordia, S., \*Liu, H., \*Parrish, A., \*Wang, S. F., \*Phang, J., \*Mohanane, A., \*Htut, P. M., \*Jeretić, P., & Bowman, S. R. (2019). Investigating BERT’s knowledge of language: Five analysis methods with NPIs. *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2019*. \*Equal contribution. <https://arxiv.org/abs/1909.02597>
- \*Durvasula, K. & \*Parrish, A. (2019) Is there phonological feature priming? *Linguistics Vanguard*. \*Equal contribution. DOI: 10.1515/lingvan-2018-0041.

## PUBLICATIONS – PEER REVIEWED ABSTRACTS

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- 2020 **Parrish, A.**, Cournane, Ailís. (2020). A within-subjects comparison of the acquisition of quantity-related inferences. In *Proceedings of the Linguistics Society of America*, 5(1). (pp. 558–572). <https://doi.org/10.3765/plsa.v5i1.4731>.
- 2019 **Parrish, A.** & Feldscher C. (2019) On the structure of splitting verbs in Yoruba. *Proceedings of the 47th Annual Conference on African Linguistics*. <http://doi.org/10.5281/zenodo.3367183>.

## MANUSCRIPTS – UNPUBLISHED & IN PROGRESS

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[in prep. for resubmission] Muller, H., Gaston, P., Dickerson, B., Liter, A., Durvasula, K., Goodhue, D., Hirzel, M., Hitczenko, K., Kandel, M., Lyskawa, P., Nelligan, J., **Parrish, A.**, & Perkins, L. Gender bias in representation and publishing rates across subfields of linguistics.

**Parrish, A.** (2017) Incremental processing effects in nominal compounds. Unpublished MA thesis, Michigan State University.

## PRESENTATIONS

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- 2021 \***Parrish, A.**, \*Schuster, S., \*Warstadt, A., Agha, O., Lee, S.-H., Zhao, Z., Bowman, S. R., Linzen, T. (2021). NOPE: A Corpus of Naturally-Occurring Presuppositions in English. Talk presented at the SIGNLL Conference on Computational Natural Language Learning (CoNLL) 2021.
- 2020 **Parrish, A.**, Abrams, E., Phillips, S. & Pytkänen, L. (2020, October) Processing speech in- and out-of-context. Poster presented virtually at the 12th Annual Meeting of the Society for the Neurobiology of Language (SNL).

Phillips, S., Abrams, E., **Parrish, A.** & Pytkänen, L. (2020, October) Evaluating laterality of spoken word recognition and basic composition in adults and children with MEG. Poster presented virtually at the 12th Annual Meeting of the Society for the Neurobiology of Language (SNL).

Hauptman, M., Abrams, E., Phillips, S., **Parrish, A.**, Geguera, G., Pytkänen, L. (2020, October). Investigating the spatiotemporal dynamics of speech production in children. Poster presented virtually at the 12th Annual Meeting of the Society for the Neurobiology of Language (SNL).

**Parrish, A.** & Cournane, A. (2020, March). *A within-subjects comparison of the acquisition of quantity-related inferences*. Poster presented virtually at the 33rd Annual CUNY Conference on Human Sentence Processing, Amherst, MA.

Warstadt, A., **Parrish, A.**, Liu, H., Mohananey, A., Peng, W., Wang, S. F., & Bowman, S. (2020, January). *BLiMP: A Benchmark of Linguistic Minimal Pairs for English*. Talk presented at the Society for Computation in Linguistics (SCiL), New Orleans, LA, USA.

**Parrish, A.** & Cournane, A. (2020, January). *The acquisition of quantity-related inferences in 4 and 5 year olds*. Talk presented at the 94th Annual Meeting of the Linguistics Society of America, New Orleans, LA, USA.

**\*Parrish, A.** & **\*Durvasula, K.** (2020, January). *Evidence against phonological and phonetic feature priming*. Poster presented at the 94th Annual Meeting of the Linguistics Society of America, New Orleans, LA, USA. \*Equal contribution.

**2019** **\*Warstadt, A., \*Cao, Y., \*Grosu, I., \*Peng, W., \*Blix, H., \*Nie, Y., \*Alsop, A., \*Bordia, S., \*Liu, H., \*Parrish, A., \*Wang, S. F., \*Phang, J., \*Mohannaney, A., \*Htut, P. M., \*Jeretič, P., & Bowman, S.** (2019, November). *Investigating BERT's knowledge of language: Five analysis methods with NPIs*. Paper presented at the Conference on Empirical Methods in Natural Language Processing (EMNLP), Hong Kong, China. \*Equal contribution.

**Parrish, A.** & Pylkkänen, L.. (2019, October) *Conceptual composition without syntax and syntax without conceptual composition – Support from LATL and LIFG activation in sentence processing with MEG*. Poster presented at the International Brain & Syntax Thinktank, Evanston, IL, USA.

**Parrish, A.** & Pylkkänen, L. (2019, August) *Composition without syntax or plausibility: LATL conceptual combination occurs in the absence of syntactic phrase closure or semantic plausibility*. Poster presented at the 11th Annual Meeting of the Society for the Neurobiology of Language, Helsinki, Finland.

**Parrish, A.** & Pylkkänen, L. (2019, June) *Early conceptual combination occurs in the absence of syntactic phrase closure*. Talk presented at the workshop Psycholinguistics in Iceland: Parsing & Prediction (PiPP), Reykjavík, Iceland.

Smith, K., **Parrish, A.** & Beretta, A. (2019, June) *Predictions, commitments, and revisions in Icelandic split-head compound processing*. Talk presented at the workshop Psycholinguistics in Iceland: Parsing & Prediction (PiPP), Reykjavík, Iceland.

**2018** **Parrish, A.** & Durvasula, K. (2018, January) *Does priming tap into phonological features?*. Poster presented at The 92nd Annual Meeting of the Linguistic Society of America, Salt Lake City, UT, USA.

**2017** **Parrish, A.** (2017, December) *An ERP study of working memory effects as they build across consecutive nominal constituents*. Talk presented at the SYNC 2017, Yale University, New Haven, CT, USA.

**Parrish, A.,** Smith, K., & Beretta, A. (2017, November). *Incremental working memory effects across consecutive nominal constituents: An ERP study*. Poster presented at The 9th Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD, USA.

**Parrish, A.,** Kelley, P., Smith, K., Cong, Y. & Beretta, A. (2017, November). *Prosodic lengthening and boundary prediction in nominal compounds: An ERP study*. Poster presented at The 9th Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD, USA.

Smith, K., **Parrish, A.** & Beretta, A. (2017, November). *Incremental commitment and revision in Icelandic compound processing*. Poster presented at The 9th Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD, USA.

**Parrish, A.** (2017, February). *Incremental effects of gender agreement in nominal compounds - An ERP study*. Talk presented at the Graduate Linguistics Expo At Michigan State, East Lansing, Michigan, USA.

**2016 Parrish, A.,** Kelley, P., Smith, K., Gagné, C., & Beretta, A. (2016, October). *Nominal Compounds: Relational Frequency Effects in Sentential Contexts*. Poster presented at The Tenth International Conference on the Mental Lexicon, Ottawa, Ontario, Canada.

**Parrish, A.,** Kelley, P., & Beretta, A. (2016, August). *Plausibility and Agreement Effects of Adjectives on Noun-Noun Compounds in Icelandic: An ERP Study*. Poster presented at The 8th Annual Meeting of the Society for the Neurobiology of Language, London, England.

**Parrish, A.,** Kelley, P., & Beretta, A. (2016, April). *Interactions of plausibility and gender agreement in nominal compounds: An ERP study of adjective-driven split-head interpretations of Icelandic noun-noun compounds*. Poster presented at the Cognitive Science Program Spring Poster Session, Michigan State University, East Lansing, Michigan, USA.

**Parrish, A.** (2016, April). *Vikings who gulp beer mugs*. Talk presented at the Linguistics and Languages Alumni Reunion, Michigan State University, East Lansing, Michigan, USA.

**Parrish, A.** & Feldscher C. (2016, March). *The adverb “tún” and insights into Yoruba splitting verbs*. Poster presented at the 47th Annual Conference of African Linguistics, University of California Berkeley, Berkeley, California, USA.

**Parrish, A.** (2016, February). *Semantic plausibility and prediction in English noun-noun compounds*. Talk given at the Graduate Linguistics Expo At Michigan State, Michigan State University, East Lansing, Michigan, USA.

**2015 Parrish, A.,** Durvasula, K. & Beretta, A. (2015, October). *The processing of compounds: Behavioral and ERP investigations*. Talk presented at the Cognitive Science Forum, Psychology Department, Michigan State University, East Lansing, Michigan, USA.

**Parrish, A.,** Jalbert, J. & Beretta, A. (2015, October). *Head commitment and plausibility in English noun-noun compounds*. Poster presented at The 7th Annual Meeting of the Society for the Neurobiology of Language, Chicago, IL, USA.

## COLLEGE TEACHING EXPERIENCE

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**Primary Instructor at New York University**

Language

Summer 2019

**Teaching Assistant / Course Assistant at New York University**

Neural Bases of Language

Fall 2020

Morphology

Spring 2020

Patterns in Language

Fall 2019

Language  
Language & Mind

Spring 2019  
Fall 2018

## COMMUNITY ACTIVITIES & LEADERSHIP EXPERIENCE

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<b>Community Help in Park Slope</b> Volunteer with the Frances Residency Program	March 2018 - June 2020 Brooklyn, NY
<b>The Listening Ear Crisis Intervention Center</b> Volunteer	July, 2015 - July 2017 Lansing, MI
<ul style="list-style-type: none"><li>• April 2016 - July 2017: Training staff</li><li>• November 2015 - March 2017: Publicity coordinator</li><li>• July 2015 - July 2017: Crisis counselor</li></ul>	
<b>MSU Cognitive Science Program</b> Program Assistant	August 2014 - August 2017 East Lansing, MI
<b>Heartland Alliance</b> Volunteer ESL Teacher	January 2014 - July 2014 Chicago, IL
<b>United States Peace Corps</b> Volunteer	July 2010 - August 2013 Republic of Benin
<ul style="list-style-type: none"><li>• August 2012 - August 2013: Population Services International Technical Assistant</li><li>• July 2010 - August 2012: English teacher</li></ul>	
<b>Metcalf Junior High</b> Volunteer Circus Coach	September 2007 - April 2010 Normal, IL

## AWARDS & HONORS

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Presidential Volunteer Service Award Gold Level Award	September 2017 Washington, D.C.
Illinois State University Graduated <i>Magna Cum Laude</i>	Spring 2010 Normal, IL
Illinois State University “Grammie Award” for outstanding work in Linguistics	Spring 2009 Normal, IL

## PROFESSIONAL SERVICE

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Reviewing	
<ul style="list-style-type: none"><li>• ACL Rolling Review</li><li>• SCiL</li><li>• CoNLL (named outstanding reviewer)</li><li>• Psycholinguistics in Iceland: Parsing &amp; Prediction (conference)</li><li>• SYNC annual conference</li><li>• GLEEFUL Undergraduate Linguistics Conference at MSU</li></ul>	2022 2021 2021 2019 2017–2021 2016–2017
Conference organization	
<ul style="list-style-type: none"><li>• Lead organizer, SYNC graduate student conference</li><li>• Hospitality committee co-chair, NWAV 47</li></ul>	2019 2018

- Organizing Committee, Grad Linguistics Expo at Michigan State 2015–2017
- Organizing Committee, 21st Mid-Continental Phonetics and Phonology Conference (held at Michigan State University) 2015–2016

#### Committee service

- Student liaison, Program Committee, Linguistics Society of America 2019–present
- Vice President, Linguistics Association at NYU 2018–2019
- Colloquium committee co-chair, MSU Linguistics Student Association 2016–2017
- Graduate Judiciary Committee, MSU Council of Graduate Students 2016–2017
- Full Council Representative, MSU Council of Graduate Students 2016–2017
- Treasurer, MSU Linguistics Student Organization 2015–2016
- Scribe, MSU Linguistics Student Organization 2015–2016

#### Undergraduate relations

- Volunteer teaching assistant, NYU AI School 2021–2022
- Mentor to undergraduate researcher, University Undergraduate Research and Arts Forum (Michigan State University) 2016
- Student judge, University Undergraduate Research and Arts Forum (Michigan State University) 2015, 2017

#### Professional memberships

- Linguistics Society of America
- Society for the Neurobiology of Language
- Association for Computational Linguistics

## TECHNICAL SKILLS

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#### Language skills

- English: native
- French: advanced high (ACTFL)
- Yoruba: elicitation only

#### Computer skills

- Software: PsychoPy, Praat, Excel, ASA Lab, Amazon Mechanical Turk
- Scripting: R, Python, SQL, MATLAB, L<sup>A</sup>T<sub>E</sub>X, HTML/CSS

#### Experimental Methods

- MEG (child and adult participants)
- ERP (RSVP and auditory)
- Self-paced reading
- Priming (cross-modal and uni-modal)
- Acceptability judgment survey (child and adult participants)
- Lexical decision task
- Sensicality judgment task