

# ALICIA PARRISH

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## EDUCATION

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**New York University, Ph.D in Linguistics** August 2017 - May 2022 (expected)  
**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

## PUBLICATIONS (PEER REVIEWED)

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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. To appear in the *Proceedings of the SIGNLL Conference on Computational Natural Language Learning (CoNLL) 2021*. \*Equal contribution. arXiv Preprint: <https://arxiv.org/abs/2109.06987>

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? To appear in *Findings of the conference on Empirical Methods in Natural Language Processing (EMNLP 2021)*. arXiv Preprint. <https://arxiv.org/abs/2104.07179>.

Parrish, A. & Pytkänen (2021) Conceptual combination in the LATL with and without syntactic composition. *Neurobiology of Language*. [https://doi.org/10.1162/nol\\_a.00048](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., \*Mohananey, A., \*Htut, P. M., \*Jeretič, 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 (MINIMAL OR NO PEER REVIEW)

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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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**Parrish, A.**, Chen, A., Htut, P. M., Nangia, N., Padmakumar, V., Phang, J., Thompson, J., Bowman, S. R. BBQ: A Benchmark for Measuring Social Biases in QA Models.

**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 to be presented at the SIGNLL Conference on Computational Natural Language Learning (CoNLL) 2021.
- 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? Poster to be presented as Findings of the Conference on Empirical Methods in Natural Language Processing (EMNLP 2021).
- 2020** **Parrish, A.**, Abrams, E., Phillips, S. & Pylkkänen, 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.** & Pylkkänen, 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., Pylkkänen, 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.

## TEACHING EXPERIENCE

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|   |             |
|---|-------------|
| <b>Primary Instructor at New York University</b>                    |             |
| Language  | Summer 2019 |
| <b>Teaching Assistant / Course Assistant at New York University</b> |             |
| Neural Bases of Language  | Fall 2020   |
| Morphology  | Spring 2020 |
| Patterns in Language  | Fall 2019   |
| Language  | Spring 2019 |
| Language & Mind   | Fall 2018   |

## COMMUNITY ACTIVITIES & LEADERSHIP EXPERIENCE

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|  |                             |
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| <b>Community Help in Park Slope</b>  | March 2018 - June 2020      |
| Volunteer with the Frances Residency Program   | Brooklyn, NY                |
| <b>The Listening Ear Crisis Intervention Center</b>  | July, 2015 - July 2017      |
| Volunteer  | 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>   | August 2014 - August 2017   |
| Program Assistant  | East Lansing, MI            |
| <b>Heartland Alliance</b>  | January 2014 - July 2014    |
| Volunteer ESL Teacher  | Chicago, IL                 |
| <b>United States Peace Corps</b>   | July 2010 - August 2013     |
| Volunteer  | 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>   | September 2007 - April 2010 |
| Volunteer Circus Coach   | Normal, IL                  |

## AWARDS & HONORS

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|                                      |                      |
|--------------------------------------|----------------------|
| Graduate School of Arts and Sciences | 2017-2022            |
| MacCracken Fellowship                | New York University  |
| New York University                  | Fall 2017, Fall 2019 |
| Dean's travel grant                  | New York, NY         |

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| Presidential Volunteer Service Award<br>Gold Level Award                         | September 2017<br>Washington, D.C.       |
| Cognitive Science Program<br>Summer Research Fellowship Award                    | Summer 2015<br>Michigan State University |
| Illinois State University<br>Graduated <i>Magna Cum Laude</i>                    | Spring 2010<br>Normal, IL                |
| Illinois State University<br>“Grammie Award” for outstanding work in Linguistics | Spring 2009<br>Normal, IL                |

## PROFESSIONAL SERVICE

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### Conference abstract reviewing

- CoNLL 2021
- Psycholinguistics in Iceland: Parsing & Prediction Spring 2019
- SYNC annual conference Fall 2017, 2018
- GLEEFUL Undergraduate Linguistics Conference at MSU Spring 2016, Spring 2017

### Conference organization

- Hospitality committee co-chair, NWA 47 Fall 2017 - Fall 2018
- Organizing Committee, Grad Linguistics Expo at Michigan State Fall 2015 - Spring 2017
- Organizing Committee, 21st Mid-Continental Phonetics and Phonology Conference (held at Michigan State University) Fall 2015 - Fall 2016

### Committee service

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

### Undergraduate relations

- Mentor to undergraduate researcher, University Undergraduate Research and Arts Forum (Michigan State University) Spring 2016
- Student judge, University Undergraduate Research and Arts Forum (Michigan State University) Spring 2015, Spring 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
- 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