

DAN PARKER

Curriculum vitae (updated May 26, 2023)

Department of Linguistics
The Ohio State University
1712 Neil Avenue
Columbus OH, 43210

Office: 322C Oxley Hall
Email: parker.1758@osu.edu
Phone: (614) 967-1344
Website: <https://u.osu.edu/parker-1758>

ACADEMIC POSITIONS

| | |
|----------------|--|
| 2022 – present | Associate Professor of Linguistics (with tenure) The Ohio State University |
| 2020 – 2022 | Associate Professor of Linguistics (with tenure) College of William & Mary |
| 2014 – 2020 | Assistant Professor of Linguistics William & Mary |

EDUCATION

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|-------------|---|
| 2009 - 2014 | Ph.D. in Linguistics University of Maryland |
| 2006 – 2009 | M.A. in Linguistics Eastern Michigan University |
| 2002 – 2006 | B.A. in English University of Toledo |

GRANTS, HONORS, AND AWARDS

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|-------------|--|-----------|
| 2020 – 2022 | Plumeri Award for Faculty Excellence, William & Mary | \$20,000 |
| 2019 – 2023 | Principal Investigator, NSF BCS-1843309 <i>The Cognitive Basis of Linguistic Illusions</i> | \$223,752 |
| 2019 – 2022 | Principal Investigator, NSF Research Experiences for Undergraduates (REU) Supplement | \$12,000 |
| 2018 – 2020 | William & Mary Scholars Undergraduate Research Experience (WMSURE) Fellowship | \$12,000 |
| 2018 | Guest Editor, PLOS ONE | |
| 2017 | William & Mary Faculty Research Grant | \$5,000 |
| 2016 | Outstanding paper, International Conference on Cognitive Modeling (ICCM) | |

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| 2016 – 2019 | W. Taylor Reveley, III Interdisciplinary Faculty Fellowship | \$12,000 |
| 2016 | William & Mary University Teaching Project Fellow | \$1,000 |
| 2015 | Reves Center Faculty International Travel Grant | \$500 |
| 2015 | William & Mary Faculty Research Grant | \$4,000 |
| 2015 | Jerrold J. Katz Young Scholar Award | \$500 |
| 2014 | William & Mary Swem Library Collection Grant | \$3,000 |
| 2010 – 2014 | NSF IGERT Fellowship | |
| 2009 | Eastern Michigan University Outstanding Graduate Student Award | |

PUBLICATIONS

* student co-author

† invited publication

★ award-winning publication

Books

under contract | **Parker, D.** Linguistic Illusions: The Case of Agreement Attraction. *Cambridge University Press.*

Peer-reviewed journal articles and book chapters

- 2022 | **Parker, D.** Ellipsis interference revisited: New evidence for feature markedness effects in retrieval. *Journal of Memory and Language*, 124, 1-13.
- * 2020 | **Parker, D.,** & Konrad, K. Teasing apart encoding and retrieval interference in sentence comprehension: Evidence from agreement attraction. In S. Denison., M. Mack, Y. Xu, & B.C. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society* (pp. 1446-1452). Cognitive Science Society.
- 2019 | **Parker, D.** Cue combinatorics in memory retrieval for anaphora. *Cognitive Science*, 43, 1-30.
- 2019 | **Parker, D.** Two is not always better than one: Modeling evidence for a single structure-building system. *Glossa: a journal of general linguistics*, 4, 1-31.
- 2019 | Schlueter, Z, **Parker, D.**, Lau, E. Error-driven retrieval in agreement attraction does not lead to misinterpretation. *Frontiers in Psychology*, 10, 1-15.
- * 2019 | **Parker, D.,** & An, A. Interference in language processing reflects direct-access memory retrieval: Evidence from Drift-Diffusion Modeling. In A.K. Goel, C.M. Seifert, & C. Freksa (Eds.), *Proceedings of the 41st Annual Meeting of the*

- Cognitive Science Society* (pp. 2523-2529), Montreal, QB: Cognitive Science Society.
- 2018 **Parker, D.** A memory-based explanation of antecedent-ellipsis mismatches: New insights from computational modeling. *Glossa: a journal of general linguistics*, 3, 1-27.
- * 2018 **Parker, D., & An, A.** Not all phrases are equally attractive: New evidence for selective agreement attraction effects in comprehension. *Frontiers in Psychology*, 9, 1-16. Special issue "Featural Relations in the Brain: Theoretical and Experimental Perspectives on Grammatical Agreement".
- † 2017 **Parker, D., Shvartsman, M., & Van Dyke, J. A.** The cue-based retrieval theory of sentence comprehension: New findings and new challenges. In L. Escobar, V. Torrens, & T. Parodi (Eds.) *Language Processing and Disorders* (pp. 121-144). Newcastle, UK: Cambridge Scholars Publishing.
- 2017 **Parker, D.** Processing multiple gap dependencies: Forewarned is forearmed. *Journal of Memory and Language*, 97, 175-186.
- 2017 **Parker, D., & Phillips, C.** Reflexive attraction in comprehension is selective. *Journal of Memory and Language*, 94, 272-290.
- *† 2017 **Parker, D., & Lantz, D.** Encoding and accessing linguistic representations in a dynamically structured holographic memory system. *Topics in Cognitive Science*, 9, 51-68.
- 2016 **Parker, D., & Phillips, C.** Negative Polarity illusions and the encoding of hierarchical representations in memory. *Cognition*, 157, 321-339.
- *★ 2016 **Parker, D., & Lantz, D.** Encoding and accessing linguistic representations in a dynamically structured holographic memory system. In D. Reitter & F. E. Ritter (Eds.), *Proceedings of the 14th International Conference on Cognitive Modeling (ICCM)* (pp. 93-99). The Pennsylvania State University. [Note: this paper is superseded by the 2017 topiCS article of the same title]
- 2015 **Parker, D., Lago, S., & Phillips, C.** Interference in the processing of adjunct control. *Frontiers in Psychology*, 6, 1-13. Special issue "Encoding and Navigating Linguistic Representations".
- 2014 Phillips, C., & **Parker, D.** The psycholinguistics of ellipsis. *Lingua* [pre-Glossa], 151, 78-95.
- 2014 Chow, W-Y., Lago, S., Barrios, S., **Parker, D.**, Morini, G., Lau, E. Additive effects of repetition and predictability during comprehension: Evidence from event-related potentials. *PLOS ONE*, 9, 1-11.
- 2009 Xie, Y., Aristar, A., Aristar-Dry, H., Lockwood, H., Thompson, J., **Parker, D.**, & Cool, B. Language and location: A map annotation project – A GIS-based infrastructure for linguistics information management. In Proceedings of the International Multiconference on Computer and Information Technology (pp. 305-311). Institute of Electrical and Electronics Engineers, Inc. (IEEE).

- 2008 **Parker, D.**, & Cool, B. Computational approaches to mapping and visualizing language data. In *Proceedings of the 5th Midwest Computational Linguistics Colloquium (MCLC)*. Michigan State University.

Publications with peer-reviewed abstracts

- 2011 **Parker, D.** Which-phrases reconstruct? A syntactic investigation of D-linked wh-movement. In D. Bailey & V. Teliga (eds.), *Proceedings of the 39th Western Conference on Linguistics (WECOL)* (pp. 207-220). Fresno, CA: California State University.
- 2010 **Parker, D.**, & Seely, T. D. MaxElide and its domain of application. Extended abstract for talk given at the 85th Linguistic Society of America Annual Meeting.
- 2008 **Parker, D.** At the interfaces: Deriving and interpreting focus and anaphora in VP-ellipsis. In S. Lima, K. Mullin, & B. Smith (eds.), *Proceedings of the 39th Annual Meeting of the North East Linguistic Society (NELS)* (pp. 585-596). University of Massachusetts, GLSA.

Submitted and in-prep

- † under revision **Parker, D.** Processing and representing negation in real-time sentence comprehension. Chapter in F. Blanchette & C. Lukyanenko (eds.) *Perspectives on Negation: Views from Across the Language Sciences*. De Gruyter Mouton.
- in-prep **Parker, D.** (Re)activation modulates sentence processing dynamics

PRESENTATIONS

* student co-author

† invited talk

★ award-winning presentation

- † 2023 **Parker, D.** Processing ellipsis: New insights and new challenges. Keynote talk at the 5th Experimental and Corpus-based Approaches to Ellipsis (ECBAE 2023).
- † 2023 **Parker, D.** Sometimes more is less: How representational complexity impacts processing dynamics. Colloquium talk at Goethe University Frankfurt.
- † 2022 **Parker, D.** Encoding and retrieval effects in ellipsis comprehension. Colloquium talk at the University of Potsdam.
- * 2022 An, A., & **Parker, D.** How do we remember what we don't know. Underspecification in language processing. Poster at the Omega Psi 7th Annual Conference: Language, Cognition, and Mind. Johns Hopkins University.
- * 2022 **Parker, D.**, Glauser, C., Rust, G., Wright, N., Yao, R., Antecedent reactivation leads to faster retrieval: Evidence from ellipsis. Poster at the 35th Annual Conference on Human Sentence Processing. University of California, Santa Cruz.

- † 2021 **Parker, D.** Now you see it, now you don't: What linguistic illusions tell us about human language processing. Institute of Cognitive Science Colloquium, University of Colorado, Boulder.
- * 2020 **Parker, D.,** Shankle, H., & Williams, I. Interference in ellipsis comprehension: New evidence for feature markedness effects. Poster at the 26th Architectures and Mechanisms for Language Processing (AMLaP) Conference. Berlin, Germany.
- * 2020 **Parker, D.,** & Konrad, K. Teasing apart encoding and retrieval interference in sentence comprehension: Evidence from agreement attraction. Poster at the 42nd Annual Meeting of the Cognitive Science Society, Toronto, Canada.
- * 2020 **Parker, D.,** Shankle, H., & Williams, I. Many dependencies show interference, and ellipsis does too! Poster at the 33rd CUNY Conference on Human Sentence Processing. University of Massachusetts, Amherst.
- 2020 **Parker, D.** Encoding and accessing negation. Talk at the 94th Annual Meeting of the Linguistic Society of America (part of the workshop on Perspectives on Negation: Across-disciplinary discussion). New Orleans, LA.
- * 2019 **Parker, D.,** & An, A. Interference in Language Processing Reflects Direct-Access Memory Retrieval: Evidence from Drift-Diffusion Modeling. Poster at the 41st Annual Meeting of the Cognitive Science Society. Montreal, Canada.
- * 2019 **Parker, D.,** & An, A. Facilitatory interference reflects direct access memory retrieval. Poster at the 32nd CUNY Conference on Human Sentence Processing. University of Colorado, Boulder.
- 2018 **Parker, D.** A multi-dimensional view of NPI licensing. Talk at the 31st CUNY Conference on Human Sentence Processing. UC, Davis.
- 2018 Schlueter, Z., **Parker, D.,** & Lau, E. Things that should affect agreement attraction in comprehension, but don't. Poster at the 31st CUNY Conference on Human Sentence Processing. UC, Davis.
- 2017 **Parker, D.** Navigating ellipsis structures in memory: New insights from computational modeling. Talk at the workshop on Corpus-based and Experimental Approaches to Ellipsis held at the 2017 Linguistic Society America Summer Institute at The University of Kentucky.
- 2017 Schlueter, Z., **Parker, D.,** & Lau, E. (Mis)interpreting agreement attraction: Evidence from a novel dual-task paradigm. Talk at the 30th CUNY Conference on Human Sentence Processing. MIT.
- 2017 **Parker, D.** Memory retrieval in sentence comprehension uses a non-linear cue combination rule. Poster at the 30th CUNY Conference on Human Sentence Processing. MIT.
- 2017 **Parker, D.** Selective agreement attraction effects: Not all phrases are equally attractive. Poster at the 30th CUNY Conference on Human Sentence Processing. MIT.
- *★ 2016 **Parker, D.,** & Lantz, D. Encoding and Accessing Linguistic Representations in a Dynamically Structured Holographic Memory System. Talk at the 14th

- International Conference on Cognitive Modeling (ICCM). The Pennsylvania State University.
- * 2016 **Parker, D.** & Abramson, L. Parallelism guides syntactic prediction for across-the-board extraction. Poster at the 29th CUNY Conference on Human Sentence Processing. University of Florida.
 - 2016 **Parker, D.**, Shvartsman, M., & Van Dyke, J. A. Agreement attraction is selective: Evidence from eye-tracking. Poster at the 29th CUNY Conference on Human Sentence Processing. University of Florida.
 - 2016 **Parker, D.** A new model for processing antecedent-ellipsis mismatches. Poster at the 29th CUNY Conference on Human Sentence Processing. University of Florida.
 - 2015 **Parker, D.**, Shvartsman, M., & Van Dyke, J. A. Agreement illusions are selective: Evidence from eye-tracking and modeling. Talk at the Experimental Psycholinguistics Conference. Madrid, Spain.
 - 2015 **Parker, D.** Two is not always better than one: Modeling evidence for a single structure building system. Poster at the Architectures & Mechanisms for Language Processing (AMLaP) 2015 Conference. University of Malta.
 - 2015 **Parker, D.**, Shvartsman, M., & Van Dyke, J. A. Agreement illusions are selective: Evidence from eye-tracking and modeling. Poster at the Architectures & Mechanisms for Language Processing (AMLaP) 2015 Conference. University of Malta.
 - ★2014 **Parker, D.**, Du, A., & Phillips, C. Time heals semantic illusions, but not syntactic illusions. Talk at the 27th CUNY Conference on Human Sentence Processing. The Ohio State University.
 - 2014 **Parker, D.**, & Phillips, C. Selective priority for structure in memory retrieval. Poster at the 27th CUNY Conference on Human Sentence Processing. The Ohio State University.
 - 2014 **Parker, D.**, & Phillips, C. Negative polarity illusions and the format of hierarchical encodings in memory. Talk at the 88th Linguistic Society of America Annual Meeting. Minneapolis, MN.
 - 2013 **Parker, D.**, MacMillan, G., & Phillips, C. Illusory NPI licensing: Now you see it, now you don't. Poster at the 26th CUNY Conference on Human Sentence Processing. University of South Carolina.
 - 2013 **Parker, D.**, & Larson, B. Two flavors of long-distance dependencies discerned through island effects. Poster at the 26th CUNY Conference on Human Sentence Processing. University of South Carolina.
 - 2013 Lago, S., Chow, W-Y., Barrios, S., **Parker, D.**, Morini, G., & Lau, E. Long-term memory effects in the N400 during sentence processing: Evidence from a novel recognition memory-sentence comprehension paradigm. Poster at the 20th Cognitive Neuroscience Society meeting. San Francisco, CA.

- 2013 Larson, B., & **Parker, D.** Across-the-board movement is actually asymmetrical. Poster at the 87th Linguistic Society of America Annual Meeting. Boston, MA.
- 2012 **Parker, D.**, Lago, S., & Phillips, C. Retrieval interference in the resolution of anaphoric PRO. Talk at the workshop on The Timing of Grammar at the 35th GLOW colloquium. Potsdam University, Germany.
- 2012 **Parker, D.**, Lago, S., & Phillips, C. Retrieval interference in the resolution of anaphoric PRO. Poster at the 25th CUNY Conference on Human Sentence Processing. City University of New York (CUNY), New York City, NY.
- †2012 **Parker, D.**, Lago, S., & Phillips, C. When subjects go missing: Antecedent retrieval in adjunct control. Talk at the workshop on Relational structure in parsing long-distance dependencies. University of Massachusetts, Amherst.
- 2011 **Parker, D.**, & Phillips, C. Illusory negative polarity item licensing is selective. Poster at the 24th CUNY Conference on Human Sentence Processing. Stanford University.
- 2011 **Parker, D.** Reconstructing D-linked wh-phrases. Talk at the 40th Michigan Linguistics Society Meeting. University of Michigan, Flint.
- 2011 **Parker, D.** Reconstructing D-linked wh-phrases. Poster at the 86th Linguistic Society of America Annual Meeting. Pittsburgh, PA.
- 2011 Phillips, C., & **Parker, D.** The psycholinguistics of ellipsis. Talk for panel discussion on Structural Approaches to Ellipsis at the 86th Linguistic Society of America Annual Meeting. Pittsburgh, PA.
- 2009 **Parker, D.**, & Seely, T. D. MaxElide and its domain of application. Talk at the 39th Michigan Linguistics Society Meeting. University of Michigan.
- 2009 Aristar-Dry, H., Cool, B., Lahrman, M., Newlin-Lukowicz, L., **Parker, D.**, & Thompson, J. LL-MAP: Language and Location – A Map Annotation Project. Talk at the colloquium on Geography and GIS in language documentation. University of Hawaii.
- 2008 Newlin-Lukowicz, L., & **Parker, D.** LL-MAP: A tool for mapping sociolinguistic variation. Talk at the 37th New Ways of Analyzing Variation (NWAV) Conference. Houston, TX.
- 2008 **Parker, D.** Interface repair strategies and reference-set computation in VP-ellipsis. Talk at the 38th Michigan Linguistics Society Meeting. Eastern Michigan University.
- 2008 **Parker, D.** Contrastive stress and anaphor resolution in subordinate VP-ellipsis. Poster at the Linguistic Society of America Summer Meeting. The Ohio State University.
- 2008 **Parker, D.** Contrastive stress and anaphor resolution in subordinate VP-ellipsis. Poster at the Spring Linguistics Colloquium. University of North Carolina.
- 2008 Catherine, A., **Parker, D.**, & Warin, M. The LL-MAP project. Poster at the 82nd Linguistic Society of America Annual Meeting. Chicago, IL.

TEACHING AND ADVISING

Courses taught at The Ohio State University

Syntax (LING 4200)
Linguistic Illusions (LING 8700)
Language and the Mind (LING 3701 / PSYCH 3371)
Honors Language and the Mind (LING 3701H)
Honors Introduction to Linguistics (LING 2000H)

Courses taught at William & Mary

Study of Language (LING 220)
Syntax (LING 304)
Semantics (LING 330)
Psycholinguistics (LING 370)
Computational Methods in Language Science (LING 380)
Experimental Psycholinguistics (LING 442)
Computational Psycholinguistics (LING 474)
Independent Study (LING 480)
Honors (LING 495/496)
Data Science for the Humanities and Social Sciences (DATA 440)

Student Advising

Doctoral thesis committee member (* = Committee Chair)

Daniel Puthawala (The Ohio State University, 2023)
Daniela Mertzén (University of Potsdam, 2022)
Spencer Kirn (College of William & Mary, 2021)
Anna Laurinavichyute (University of Potsdam, 2021)

Undergraduate thesis committee member (* = Committee Chair)

McKinley Sprinkle (College of William & Mary, 2022)
* Maddy Wade (College of William & Mary, 2021)
* Tristan Ramage (College of William & Mary, 2021)
Abby Fergus (College of William & Mary, 2021)
Elizabeth Maneval (College of William & Mary, 2021)
Jacob Adams (College of William & Mary, 2021)
* Cassie Davenport (College of William & Mary, 2020)
* Adam An (College of William & Mary, 2020)
* Hayden Le (College of William & Mary, 2019)
Blake Phillips (College of William & Mary, 2019)
Eyosyas Dagnachew (College of William & Mary, 2019)
Megan Rouch (College of William & Mary, 2019)
* Quentin Ullrich (College of William & Mary, 2018)
Connor Symons (College of William & Mary, 2018)

Alexa Rosalsky (College of William & Mary, 2018)
Anna Mary (College of William & Mary, 2016)
* Robert LaRose (College of William & Mary, 2017)

Undergraduate mentoring

Casey Everett (The Ohio State University, 2023)
Maxine Xu (The Ohio State University, 2023)
Pelumi Sholagbade (College of William & Mary, 2021)
Bennett Meale (College of William & Mary, 2021-2022)
Ruoqing Yao (College of William & Mary, 2021-2022)
Caitlin Glauser (College of William & Mary, 2021)
Nicholas Wright (College of William & Mary, 2021-2022)
Grace Rust (College of William & Mary, 2020-2022)
Irene Williams (College of William & Mary, 2019-2020)
Hayley Shankle (College of William & Mary, 2019-2021)
Kate Mulhern (College of William & Mary, 2019-2020)
Kelly Konrad (College of William & Mary, 2019-2020)
Tatiana Prioleau (College of William & Mary, 2018)
Erica Schneider (College of William & Mary, 2016-2017)
Will Theuer (College of William & Mary, 2017-2018)
Jenna Lefkowitz (College of William & Mary, 2017)
Serena Pu (2 College of William & Mary, 017)
Liana Abramson (College of William & Mary, 2015-2016)

PROFESSIONAL SERVICE

Professional society service

2022 - present | Business Committee Member, Society for Human Sentence Processing

Grant reviewing

National Science Foundation Linguistics Program; National Science Foundation Linguistics Doctoral Dissertation Research Improvement Grants (Ling-DDRI); National Science Foundation Perception, Action & Cognition Program; Deutsche Forschungsgemeinschaft (DFG/German Research Foundation))

Journal and book reviewing

Cognition; Language; Journal of Memory and Language; Language, Cognition, and Neuroscience; Quarterly Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Experimental Psychology: Human Perception and Performance; Journal of Neurolinguistics; Cognitive Science; Linguistic Inquiry; Glossa: a journal of general linguistics; Memory & Cognition; Neuropsychologia; Applied Psycholinguistics; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Linguistics; PLOS ONE; Frontiers in Psychology;

Frontiers in Language Science; Language & Communication; Language and Cognition; Australian Journal of Linguistics; Oxford University Press; De Gruyter Mouton

Conference abstract reviewing

Human Sentence Processing Conference; CUNY Human Sentence Processing Conference; Linguistic Society of America Annual Meeting; Chicago Linguistic Society Annual Meeting; Cognitive Science Society Annual Meeting; Conference on Computational Natural Language Learning; Annual Conference on Syntax, Phonology, and Language Analysis

Service at The Ohio State University

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| 2023 – present | Second-year Transformational Experience Program (STEP) Faculty Mentor |
| 2022 – present | Speakers Committee (co-chair) |
| 2022 – present | Undergraduate Curriculum Committee (LUCC) |
| 2022 – present | North American Computational Linguistics Olympiad (NACLO) site host (co-organizer) |

Service at William & Mary

| | |
|-------------|---|
| 2021 – 2022 | Arts & Sciences Undergraduate Research Committee |
| 2021 | Digital Scholarship Lab Task Force |
| 2021 – 2022 | Search Committee for tenure eligible Professor in Data Science |
| 2020 – 2022 | Linguistics Program Personnel Committee (chair) |
| 2019 – 2020 | English Department Budget Committee |
| 2019 – 2020 | English Department Communications Committee |
| 2019 – 2020 | Research & Innovation Subcommittee |
| 2019 – 2022 | Digital Humanities Steering Committee |
| 2019 - 2022 | University Library Committee |
| 2019 – 2022 | Virginia Area Linguistics (VALING) Conference (organizer) |
| 2019 | Search committee for Visiting Assistant Professor in Linguistics |
| 2018 – 2020 | William & Mary Scholars Undergraduate Research Experience (WMSURE) Advisory Board |
| 2017 – 2021 | Data Science Program Steering Committee |
| 2016 – 2017 | Data Science Program Founding Committee |
| 2016 – 2017 | Linguistics Program Personnel Committee (chair) |
| 2016 | William & Mary Parent and Family Council Faculty Representative |
| 2015 – 2016 | Search Committee for Lecturer in Psychology and Linguistics |
| 2015 – 2022 | Linguistics Program Honors (director) |
| 2014 – 2019 | North American Computational Linguistics Olympiad (NACLO) site (organizer) |

Community outreach

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| 2023 | Panelist at Summer Linguistics Institute for Youth Scholars (SLIYS). |
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- 2023 Presentation at the “Lunch with Leaders” for the NSF REU Site program at the Center of Science and Industry (COSI) Language Pod, Columbus, Ohio.
- 2019 Presentation on general linguistics, Berkeley Middle School, Williamsburg, VA.
- 2016 Presentation on dialects and linguistic awareness, Berkeley Middle School, Williamsburg, VA.
- 2015 Presentation on general linguistics, Berkeley Middle School, Williamsburg, VA.
- 2014 Presentation on experimental and computational Linguistics, Montgomery Blair High School, Silver Spring, MD.