Brandon Rhodes LinkedIn : https://www.linkedin.com/in/rhodb/ bprhodes@uchicago.edu Github: https://www.github.com/rhodb https://rhodb.github.io **EDUCATION** The University of Chicago Chicago, IL USA PhD candidate, Department of Linguistics September 2015 - a.b.d.M.S. candidate, Department of Statistics September 2019 – Expected April 2021 **Indiana University** Bloomington, IN USA Bachelor of Arts, Linguistics August 2011 - May 2015 RESEARCH Data analysis, machine learning, unsupervised learning, natural language processing, statistical methods with natural language data, computational linguistics, phonology INTERESTS R, Python (PyTorch, Pandas, Numpy, scikit-learn, ...), SQL, Praat, C, Haskell, IATFX PROGRAM-MING RESEARCH Independent researcher • Statistical methods with NBA shot chart data EXPERIENCE 2021—present Master's Thesis: Methods for analyzing shot charts from the National Basketball Association Professor / Advisor: Peter McCullagh • Reanalysis of study: 'Asking young children to "do science" instead of "be scientists" Autumn 2020 increases science engagement in a randomized field experiment' Source: https://www.pnas.org/content/117/18/9808 Course project: Data Analysis Project (STAT 34900) Professor / Advisor: Peter McCullagh • Multi-view acoustic word embeddings with Transformer Spring 2020 encoders Course project: Speech Technologies (TTIC 31110) Professor / Advisor: Karen Livescu • Mathematical linguistics, statistical methods in linguistics, 2018-2019 computational linguistics, phonology Dissertation proposal: Dynamic Computational Networks – Accent and Syllabification Committee: Diane Brentari, John Goldsmith, Jason Riggle (chair) • Mathematical linguistics, phonology 2017-2018 Qualifying paper: A phonemic comparison of dialects of Arabic Advisers: John Goldsmith, Jason Riggle • Mathematical linguistics, morphology 2016-2017 Qualifying paper: Geometrical Morphology Advisers: John Goldsmith, Jason Riggle

Research assistant

• Syntax/semantics of aspectual verbs, Dr. Thomas Grano Summer 2015

• Reproductive neuroscience, Dr. Heather Bradshaw 2011-2012

Lab technician

• Speech and Hearing Sciences, Dr. Steven Lulich 2014-2015

• Molecular biology, Dr. Andrew Kusmierczyk Summer 2012

	• Reproductive neuroscience, Dr. Heather Bradshaw	2011-2012
TEACHING EXPERIENCE	Lecturer • LING 20001: Introduction to Linguistics 18 students, no teaching assistant	Spring 2020
	Teaching Assistant	Winter 2019
	• LING 20101: Introduction to Phonetics and Phonology 44 students, no other teaching assistant	Autumn 2018
	• LING 20001: Introduction to Linguistics 25 students, no other teaching assistant	Autumn 2017
OTHER EXPERIENCE	Conference abstract reviewer Fifty-second Meeting of the Chicago Linguistic Society Fifty-third Meeting of the Chicago Linguistic Society	2015-2016 2016-2017
	Conference organizer Fifty-third Meeting of the Chicago Linguistic Society	2016-2017
	$\frac{\text{Conference proceedings editor}}{\text{Fifty-third Meeting of the Chicago Linguistic Society}}$	2016-2017
PROFESSIONAL MEMBERSHIPS	International Cannabinoid Research Society Phi Beta Kappa Chicago Linguistic Society	$\begin{array}{c} 2012\text{-}2013 \\ 2015 - \text{present} \\ 2016\text{-}2017 \end{array}$
LANGUAGES	Native: English Basic fluency: Spanish Conversational: Arabic (intermediate), Italian (beginner)	

Reading and writing: Spanish (advanced), Arabic (intermediate), Italian (intermediate)

PUBLICATIONS Journal

- Siham Raboune, Jordyn M. Stuart, Emma Leishman, Sara M. Takacs, Brandon Rhodes, Arjun Basnet, Evan Jameyfield, Douglas McHugh, Theodore Widlanski and Heather Bradshaw. 2014. Novel endogenous N-acyl amides activate TRPV1-4 receptors, BV-2 microglia, and are regulated in brain in an acute model of inflammation. Frontiers in Cellular Neuroscience.
- 2. Tortoriello G, **Rhodes BP**, Harkany T, Bradshaw HB. 2013. Targeted Lipidomics in Drosophila Melanogaster Identifies Novel 2-Monoacylglycerols and Nacyl Amides. PLOS ONE.

Proceedings

- 3. **B Rhodes**, K Berkson, K de Jong, S Lulich. Real-time three-dimensional ultrasound imaging of pre-and post-vocalic liquid consonants in American English. The Journal of the Acoustical Society of America 137 (4), 2268-2269.
- 4. SM Lulich, **B Rhodes**, M Nelson, K Berkson, K de Jong. *Three-dimensional tongue shapes of/r/production in American English words*. The Journal of the Acoustical Society of America 139 (4), 2222-2222.

Editorial

5. Edmiston, Ermolaeva, Hakgüder, Lai, Montemurro, **Rhodes**, Sankhagowit, Tabatowski (eds.), *Proceedings of the Fifty-third Annual Meeting of the Chicago Linguistic Society*.

PRESENTATIONS Poster presentations

- 1. Severing the external argument from the aspectual verb with Thomas Grano (Indiana University). Linguistic Society of America. Washington, DC USA. January 2016.
- 2. Real-time three-dimensional ultrasound imaging of pre- and post-vocalic liquid consonants in American English with Kelly Berkson, Ken de Jong and Steven Lulich (all at Indiana University). Acoustical Society of America. Pittsburgh, PA USA. May 2015.
- 3. Gene deletion to observe copper sensitivity in Saccharomyces cerevisia. STEM Summer Scholars Institute. Indiana University Purdue University Indianapolis. Indianapolis, IN USA. July 2013.
- 4. Levels of endocannabinoids and related N-acyl amides change in the cerbellum, midbrain, brainstem and thalamus in a model of acute peripheral inflammation. International Cannabinoid Research Society Symposium on the Cannabinoids. Freiburg, Germany. July 2012.