

## Brandon Rhodes

LinkedIn : <https://www.linkedin.com/in/rhodb/>  
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EDUCATION	<b>The University of Chicago</b>	Chicago, IL USA
	PhD candidate, Department of Linguistics September 2015 –	
	M.S. candidate, Department of Statistics September 2019 – February 2021	
	<b>Indiana University</b>	Bloomington, IN USA
	Bachelor of Arts, Linguistics August 2011 – May 2015	
RESEARCH INTERESTS	Data analysis, machine learning, unsupervised learning, natural language processing, statistical methods with natural language data, computational linguistics, phonology	
PROGRAMMING	R, Python (PyTorch, Pandas, Numpy, scikit-learn, ...), SQL, Praat, C, Haskell, L <sup>A</sup> T <sub>E</sub> X	
RESEARCH EXPERIENCE	<u>Independent researcher</u>	
	• Reanalysis of study: ‘Asking young children to “do science” instead of “be scientists” increases science engagement in a randomized field experiment’ Source: <a href="https://www.pnas.org/content/117/18/9808">https://www.pnas.org/content/117/18/9808</a> Course project: Data Analysis Project (STAT 34900) Professor / Advisor: Peter McCullagh	Autumn 2020
	• Multi-view acoustic word embeddings with Transformer encoders Course project: Speech Technologies (TTIC 31110) Professor / Advisor: Karen Livescu	Spring 2020
	• Statistical methods in linguistics, phonetics, phonology Dissertation Committee: Diane Brentari, John Goldsmith, Jason Riggle (chair)	2019 – present
	• Mathematical linguistics, statistical methods in linguistics, computational linguistics, phonology Dissertation proposal: Dynamic Computational Networks – Accent and Syllabification Committee: Diane Brentari, John Goldsmith, Jason Riggle (chair)	2018-2019
	• Mathematical linguistics, phonology Qualifying paper: A phonemic comparison of dialects of Arabic Advisers: John Goldsmith, Jason Riggle	2017-2018
	• Mathematical linguistics, morphology Qualifying paper: Geometrical Morphology Advisers: John Goldsmith, Jason Riggle	2016-2017
	<u>Research assistant</u>	
	• Syntax/semantics of aspectual verbs, Dr. Thomas Grano	Summer 2015
	<u>Data analyst</u>	
	• Reproductive neuroscience, Dr. Heather Bradshaw	2011-2012
	<u>Lab technician</u>	
	• Speech and Hearing Sciences, Dr. Steven Lulich	2014-2015
	• Molecular biology, Dr. Andrew Kusmierczyk	Summer 2012
	• Reproductive neuroscience, Dr. Heather Bradshaw	2011-2012

<b>TEACHING EXPERIENCE</b>	<u>Lecturer</u>	
	• LING 20001: Introduction to Linguistics 18 students, no teaching assistant	Spring 2020
	<u>Teaching Assistant</u>	
	• LING 20001: Introduction to Linguistics 20 students, no other teaching assistant	Winter 2019
<b>OTHER EXPERIENCE</b>	• 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
	<u>Conference abstract reviewer</u>	
	Fifty-second Meeting of the Chicago Linguistic Society	2015-2016
	Fifty-third Meeting of the Chicago Linguistic Society	2016-2017
	<u>Conference organizer</u>	
<b>PROFESSIONAL MEMBERSHIPS</b>	Fifty-third Meeting of the Chicago Linguistic Society	2016-2017
	<u>Conference proceedings editor</u>	
	Fifty-third Meeting of the Chicago Linguistic Society	2016-2017
	International Cannabinoid Research Society	2012-2013
<b>LANGUAGES</b>	Phi Beta Kappa	2015 – present
	Chicago Linguistic Society	2016-2017
	Native: English Basic fluency: Spanish Conversational: Arabic (intermediate), Italian (beginner) Reading and writing: Spanish (advanced), Arabic (intermediate), Italian (intermediate)	
<b>PUBLICATIONS</b>	<u>Journal</u>	
	1. Siham Raboune, Jordyn M. Stuart, Emma Leishman, Sara M. Takacs, <b>Brandon Rhodes</b> , Arjun Basnet, Evan Jameyfield, Douglas McHugh, Theodore Widlanski and Heather Bradshaw. 2014. <i>Novel endogenous N-acyl amides activate TRPV1-4 receptors, BV-2 microglia, and are regulated in brain in an acute model of inflammation</i> . Frontiers in Cellular Neuroscience.	
	2. Tortoriello G, <b>Rhodes BP</b> , Harkany T, Bradshaw HB. 2013. <i>Targeted Lipidomics in Drosophila Melanogaster Identifies Novel 2-Monoacylglycerols and N-acyl Amides</i> . PLOS ONE.	
	<u>Proceedings</u>	
	3. <b>B Rhodes</b> , K Berkson, K de Jong, S Lulich. <i>Real-time three-dimensional ultrasound imaging of pre-and post-vocalic liquid consonants in American English</i> . The Journal of the Acoustical Society of America 137 (4), 2268-2269.	
	4. SM Lulich, <b>B Rhodes</b> , M Nelson, K Berkson, K de Jong. <i>Three-dimensional tongue shapes of/r/production in American English words</i> . The Journal of the Acoustical Society of America 139 (4), 2222-2222.	
	<u>Editorial</u>	
	5. Edmiston, Ermolaeva, Hakgüder, Lai, Montemurro, <b>Rhodes</b> , Sankhagowit, Tabatowski (eds.), <i>Proceedings of the Fifty-third Annual Meeting of the Chicago Linguistic Society</i> .	

**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 cerebellum, midbrain, brainstem and thalamus in a model of acute peripheral inflammation. International Cannabinoid Research Society Symposium on the Cannabinoids. Freiburg, Germany. July 2012.