

Tyler Zarus Knowlton

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Education

Ph.D. (expected) Linguistics 2021
Advisors: Jeffrey Lidz and Paul Pietroski
University of Maryland, College Park, MD

B.A. Cognitive Science (with honors) 2015
Minors in Linguistics, Philosophy, and Psychology
Johns Hopkins University, Baltimore, MD

Awards and Honors

NSF Research Traineeship (NRT-DESE #1449815) 2017
Language Science Fellowship 2017
Owen Scholars Fellowship (declined) 2016
Phi Beta Kappa, Alpha of Maryland 2015
Cognitive Science Departmental Honors 2015
Johns Hopkins University Honors 2015
Provost's Undergraduate Research Award 2014

Presentations

Conference Talks

Knowlton, T., Halberda, J., Pietroski, P., and Lidz, J. (2018) *Acquiring the universal quantifiers: every part together or each part on its own?* Boston University Conference on Language Development (BUCLD) 43, Boston, MA.

Invited Talks

Knowlton, T., Pietroski, P., Halberda, J., and Lidz, J. (2018) *Are natural language quantifiers first- or second-order?* McDonnell Network focused Workshop on "The Development of Set and Quantifier Representations", Johns Hopkins.

Conference Posters

Knowlton, T., Pietroski, P., Halberda, J., and Lidz, J. (2019) *Representational Format and Universal Quantifiers*. Linguistic Society of America (LSA) Annual Meeting 2019, New York, NY.

Perkins, L., **Knowlton, T.**, Williams, A., and Lidz, J. (2018) *Matching number vs. linking roles: Using 3-participant scene percepts to understand infants' bootstrapping*. Boston University Conference on Language Development (BUCLD) 43, Boston, MA.

- Knowlton, T.**, Perkins, L., Williams, A., and Lidz, J. (2018) *Getting a grip on infants' event representations: participant number in TAKE and PICK-UP*. XXI International Congress of Infant Studies (ICIS) Biennial Congress, Philadelphia, PA.
- Knowlton, T.**, Wong, A., Halberda, J., Pietroski, P., and Lidz, J. (2018) *Different Determiners, Different Algorithms: Two Majority Quantifiers in Cantonese Bias Distinct Verification Strategies*. 31st CUNY Conference on Human Sentence Processing, UC Davis.
- Knowlton, T.**, Halberda, J., Pietroski, P., and Lidz, J. (2017) *Sentences, Centers, and Sets: Set Selection and the Meanings of More and Most*. Cognitive Development Society (CDS) biennial meeting, Portland, OR.
- Knowlton, T.**, Halberda, J., Pietroski, P., and Lidz, J. (2017) *Distinguishing First- from Second-order Specifications of Each, Every, and All*. Mid-Atlantic Colloquium of Studies in Meaning (MACSIM) 7, Georgetown.
- Knowlton, T.**, Halberda, J., Pietroski, P., and Lidz, J. (2017) *Set Selection and Storage Reflect Differences in Quantifier Meanings*. McDonnell Network Plenary Workshop on "The Ontogenetic Origins of Combinatorial Thought", UCSD.
- Perkins, L., **Knowlton, T.**, Hirzel, M., Dudley, R., Williams, A., and Lidz, J. (2017) *Linguistic and Conceptual Structure in Verb Learning*. McDonnell Network Plenary Workshop on "The Ontogenetic Origins of Combinatorial Thought", UCSD.
- Knowlton, T.** and Omaki, A. (2016) *The Parser's Dilemma: Memory vs. Grammatical Constraints in Sentence Processing*. PURA poster session, Johns Hopkins.

Teaching and Mentorship

Teaching Experience

University of Maryland

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| TA, Language and Mind (Professor: Tonia Bleam) | Fall 2018 |
| Responsible for grading, office hours, occasionally teaching 50 student lecture | |
| TA, Introductory Linguistics (Professor: Tonia Bleam) | Spring 2018 |
| Responsible for weekly discussion section of 30 students, grading, office hours | |

Mentorship

University of Maryland

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| Undergraduate mentor, Project on Children's Language Learning | 2018- |
| Responsible for mentoring undergraduate research assistants | |
| M. Lauchman & M. Aiyad and supervising their poster and oral presentations | |

Johns Hopkins University

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| Undergraduate mentor, Vision and Cognition Lab | 2015-16 |
| Responsible for mentoring undergraduate research assistants | |
| A. Wong, S. Akmal, A. Vadaparty, & L. Grau and supervising their term papers | |

Research Experience

Research Assistant, Project on Children's Language Learning, College Park, MD	2016-
PURA Fellow, Language Processing and Development Lab, Baltimore, MD	2014-16
Lab Manager, Vision and Cognition Lab, Baltimore, MD	2014-16
Research Assistant, Vision and Cognition Lab, Baltimore, MD	2012-13
Research Intern, Coriell Institute for Medical Research, Camden, NJ	2012

Academic Activities

Service

Workshop Co-Organizer (with M. Hirzel & Z. Ovans), <i>Endless Possibilities: The Development of Possibility and Necessity in Cognition, Language, and Society</i> Sponsored by UMD's Graduate Field Committee in Developmental Science	2018-
Chair, Language Science Outreach Committee	2018-
Winter Storm 10 Workshop Planning Committee	2017-18
Co-chair (with S. Thivierge), Linguistics Graduate Student Association	2017-18
Career fair coordinator, Language Science Outreach Committee	2016-18
Winter Storm 9 Workshop Planning Committee	2016-17
SALT27 Organizing Committee	2016-17

Ad Hoc Reviewer

Language Learning and Development

Professional Memberships

International Congress of Infant Studies	2017-
Cognitive Development Society	2017-
Linguistic Society of America	2015-

Skills

Technical:	R, PsychoPy (python), L ^A T _E X, Linger, PsyToolkit, Habit, HTML/CSS, JavaScript, Psychtoolbox (MATLAB), Adobe Premiere, Git, PsyScope X
Experimental:	Visual Psychophysics, Habituation-switch, Self-paced reading (including with eye-tracking)

[Last updated 10/22/2018]