

Tyler Zarus Knowlton

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Education

Ph.D. (expected) Linguistics Advisors: Jeffrey Lidz and Paul Pietroski University of Maryland , College Park, MD	2021
B.A. Cognitive Science (with honors) Minors in Linguistics, Philosophy, and Psychology Johns Hopkins University , Baltimore, MD	2015

Awards and Honors

Jacob K. Goldhaber Travel Grant	2018
NSF Research Traineeship (NRT-DESE #1449815)	2017
Maryland Language Science Fellowship	2017
Owen Scholars Fellowship (declined)	2016
Phi Beta Kappa	2015
Cognitive Science Departmental Honors	2015
Johns Hopkins University Honors	2015
Provost's Undergraduate Research Award	2014

Publications

Knowlton, T., Pietroski, P., Halberda, J., and Lidz, J. (under review) *The mental representation of universal quantifiers*. [[lingbuzz](#)]

Presentations

Conference Talks

Knowlton, T., Pietroski, P., Halberda, J., and Lidz, J. (2019) *The mental representation of universal quantifiers: evidence from verification*. 32nd CUNY Conference on Human Sentence Processing, CU Boulder.

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.

Conference Posters

Knowlton, T., Halberda, J., Pietroski, P., and Lidz, J. (2019) *A Novel Memory Task Reveals Early Understanding of Quantifier Meanings*. Society for Research in Child Development (SRCD) 2019 Biennial Meeting, Baltimore, MD.

- 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.

Invited Talks

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

Teaching and Mentorship

Teaching Experience

University of Maryland

TA, Child Language Acquisition (LING444; Instructor: Jeffrey Lidz)	Spring 2019
Duties: grading, office hours, once teaching ~20 student lecture	
TA, Language and Mind (LING240; Instructor: Tonia Bleam)	Fall 2018
Duties: grading, office hours, review sessions, twice teaching ~50 student lecture	
TA, Introductory Linguistics (LING200; Instructor: Tonia Bleam)	Spring 2018
Duties: weekly discussion section of ~30 students, grading, office hours	

Mentorship

University of Maryland

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

Johns Hopkins University

Undergraduate mentor, Vision and Cognition Lab 2015-16
Responsible for mentoring undergraduate research assistants A. Wong,
S. Akmal, A. Vadaparty, I. Perone, & 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

Linguistics Colloquium Committee 2019-
Workshop Co-Organizer (with M. Hirzel & Z. Ovens), *Endless Possibilities:
The Development of Possibility and Necessity in Cognition, Language, and Society* 2018-
Sponsored by UMD's Graduate Field Committee in Developmental Science
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

Society for Research in Child Development 2019-
International Congress of Infant Studies 2017-
Cognitive Development Society 2017-

Skills

- Technical: R, PsychoPy (python), L^AT_EX, 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)

[updated 3/1/2019]