

# Tyler Zarus Knowlton

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## Education

Ph.D. (expected) Linguistics Advisors: Jeffrey Lidz and Paul Pietroski <b>University of Maryland</b> , College Park, MD	2021
B.A. Cognitive Science (with honors) Minors in Linguistics, Philosophy, and Psychology <b>Johns Hopkins University</b> , 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. (submitted) *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, review sessions, 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<sup>A</sup>T<sub>E</sub>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)

[updated 2/15/2019]