

# Tyler Zarus Knowlton

## Current Address

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## Contact Information

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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

## 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.** (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.**, 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.

## Teaching and Mentorship

### Teaching Experience

#### *University of Maryland*

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|--|-------------|
| TA, Language and Mind (LING240; Instructor: Tonia Bleam)                                 | Fall 2018   |
| Duties: grading, office hours, review sessions, occasionally 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*

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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 end-of-term poster 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. Ovens), <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 <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)

[Last updated 12/20/2018]