

CURRICULUM VITAE
JUNE, 2018

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY - ATLANTA, GA

Ph.D. Cognition and Brain Science Psychology
Minor in Quantitative Psychology
Advisor: Dr. Randall W. Engle

Expected 2019

GEORGIA INSTITUTE OF TECHNOLOGY - ATLANTA, GA

M.S. Cognition and Brain Science Psychology
Advisor: Dr. Randall W. Engle

August, 2017

UNIVERSITY OF MICHIGAN - DEARBORN, MI

B.A. Psychology, *With High Distinction*
Minor in Philosophy
Advisor: Dr. Arlo Clark-Foos

December, 2012

RESEARCH INTERESTS

- Individual differences in working memory capacity, fluid intelligence, and executive functioning (e.g., attention control and task switching)
- How individuals of differing ability monitor and adjust performance to meet task demands
- Measurement of executive functioning
- Working memory capacity in impoverished and at-risk communities

PEER-REVIEWED PUBLICATIONS

Published

Foster, J. L., Harrison, T. L., Hicks, K. L., **Draheim, C.**, Redick, T. S., & Engle, R. W. (2017, May 29). Do the effects of working memory training depend on baseline ability level? *Journal of Experimental Psychology: Learning, Memory, & Cognition*. Advance online publication.

Felez-Nobrega, M., Foster, J. L., Puig-Ribera, A., **Draheim, C.**, & Hillman, C. H. (2017, April 13). Measuring working memory in the Spanish population: Validation of a multiple shortened complex span task. *Psychological Assessment*. Advance online publication.

Draheim, C., Harrison, T. L., Embretson, S. E., & Engle, R. W. (2017, March 9). What Item Response Theory can tell us about the complex span tasks. *Psychological Assessment*. Advance online publication.

Calderón-Garcidueñas, L., Chávez, V. S. J., Vacaseydel-Aceves, N. B., Calderón-Sánchez, R., Macías-Escobedo, E., Frías, C., ... **Draheim, C.**, & Engle, R. W. (2016). Chocolate, Air Pollution and Children's Neuroprotection: What Cognition Tools should be at Hand to Evaluate Interventions?. *Frontiers in Pharmacology*, 7.

Draheim, C., Hicks, K. L., & Engle, R. W. (2016). Combining reaction time and accuracy: The relationship between working memory capacity and task switching as a case example. *Perspectives on Psychological Science*, 11, 133-155.

Submitted & in preparation

Draheim, C., Mashburn, C. A., & Engle, R. W. (in prep.). Reaction time in differential and development research: A review and commentary on problems and alternatives.

Tsukahara, J. S., Harrison, T. L., **Draheim, C.**, Martin, J. D., & Engle, R. W. (resubmission in prep.). General discrimination ability: Why should performance on sensory tasks relate to cognitive ability?

Shipstead, Z., **Draheim, C.**, & Engle, R. W. (resubmission in prep.). Working memory capacity, visual attention, and perceptual load: Reducing individual differences and dealing with the speed/accuracy tradeoff.

Iles, R., Gatumu, H., **Draheim, C.**, Kagundu, S., & Engle, R. W. (resubmission in prep.). Cognition under scarcity: does the conception of cognition matter when assessing the scarcity thesis.

CONFERENCE PRESENTATIONS

Draheim, C., Mashburn, C. A., & Engle, R. W. *Reaction times do not reliably measure individual differences in cognition: The problem and solutions*. Poster submitted to be presented at the 59th annual meeting of the Psychonomic Society, New Orleans, LA.

Draheim C., & Engle, R. W. (November, 2017). *Do individuals of differing ability level differentially adjust performance to meet task demands? Simple question, complex answer*. Poster presented at the 58th annual meeting of the Psychonomic Society, Vancouver, Canada.

Tsukahara, J. S., Harrison, T. L., Hicks, K. L., **Draheim, C.**, Martin, J. D., & Engle, R. W. (November 2017). *Measuring attention control: Can we do better?* Poster presented at the 58th annual meeting of the Psychonomic Society, Vancouver, Canada.

Draheim C., Harrison, T. L., & Engle, R. W. (November, 2016). *The problem with the operation span: Item Response Theory and complex span tasks*. Poster presented at the 57th annual meeting of the Psychonomic Society, Boston, MA.

Harrison, T. L., Hicks, K. L., **Draheim, C.**, Tsukahara, J. S., & Engle, R. W. (November, 2016). *Sensory discrimination, working memory, and fluid intelligence*. Paper presented at the 57th annual meeting of the Psychonomic Society, Boston, MA.

Draheim C., Harrison, T. L., & Engle, R. W. (September, 2016). *What Item Response Theory can tell us about the complex span tasks*. Poster presented at the 8th biennial European Working Memory Symposium, Liege, Belgium.

Draheim, C., Hicks, K. L., & Engle, R. W. (November, 2014). *Is there a relationship between task-switching and working memory capacity?* Poster presented at the 55th annual meeting of the Psychonomic Society, Long Beach, CA.

Foster, J., Harrison, T. L., Hicks, K. L., **Draheim, C.**, Engle, R. W. (November 2014). *High-spans show bigger gains from working memory training than low-spans*. Poster presented at the 55th annual meeting of the Psychonomic Society, Long Beach, CA.

Draheim, C., Hicks, K. L., & Engle, R. W. (September, 2014). *Redefining the relationship between working memory capacity and task-switching performance*. Poster presented at the 7th biennial European Working Memory Symposium, Edinburgh, Scotland.

Draheim, C., & Clark-Foos, A. (March, 2013). *Memory for emotional material under divided attention*. Paper presented at the 3rd annual CASL Undergraduate Showcase, University of Michigan-Dearborn, MI.

Pfannes, K. I., Bratton, T., **Draheim, C.**, Mennie, K., & Clark-Foos, A. (May, 2013). *Changing criteria to detect deception vs. imagination*. Poster presented at the 85th annual meeting of the Midwestern Psychological Association, Chicago, IL.

Kiely, S., Nguyen, S., Alhashidi, J., Mennie, K., **Draheim, C.**, & Clark-Foos, A. (May, 2013). *Reverse task interference in prospective memory*. Poster presented at the 85th annual meeting of the Midwestern Psychological Association, Chicago, IL.

Mennie, K., **Draheim, C.**, & Clark-Foos, A. (May, 2013). *You are what you play: Video games and creativity*. Poster presented at the 85th annual meeting of the Midwestern Psychological Association, Chicago, IL.

Mennie, K., **Draheim, C.**, Pfannes, K., & Clark-Foos, A. (May, 2013). *Interactions between valence and arousal determine enhancement of emotional memory*. Poster presented at the 85th annual meeting of the Midwestern Psychological Association, Chicago, IL.

Mennie, K., **Draheim, C.**, & Clark-Foos, A. (March, 2013). *Video games and creativity*. Paper presented at the 3rd annual CASL Undergraduate Showcase, University of Michigan-Dearborn, MI.

Nguyen, S., Out, J., & **Draheim, C.** (March, 2013). *How effective are divided attention tasks at dividing attention?* Poster presented at the 3rd annual CASL Undergraduate Showcase, University of Michigan-Dearborn, MI.

Morris, R., Mikhael, Z., Khan, F., Blair, C. R., & **Draheim, C.** (March, 2013). *Can completing intentions ever be done automatically?* Poster presented at the 3rd annual CASL Undergraduate Showcase, University of Michigan-Dearborn, MI.

Clark-Foos, A., **Draheim, C.**, & Mennie, K. (November, 2012). *Thorndike's law of belongingness in item-context binding.* Poster presented at the 53rd annual meeting of the Psychonomic Society, Minneapolis, MN.

Clark-Foos, A., Schick, J., Blair, C. R., Dobbs, C. D., Hochstadt, S., & **Draheim, C.** (May, 2012). *Wer sagt, dass: Source monitoring is better when you understand the language.* Poster presented at the 24th annual meeting of the Association for Psychological Science, Chicago, IL.

Draheim, C., & Mennie, K. (May, 2012). *Memory using Signal Detection Theory.* Poster presented at the 20th annual meeting of Minds, University of Michigan-Dearborn, MI.

Draheim, C., & Abdallah, F. (March, 2012). *Signal Detection Theory in recognition memory.* Poster presented at the 2nd annual CASL Undergraduate Research Showcase, University of Michigan-Dearborn, MI.

Hochstadt, S., & **Draheim, C.** (March, 2012). *Does memory depend on how you ask the question?* Poster presented at the 2nd annual CASL Undergraduate Research Showcase, University of Michigan-Dearborn, MI.

Alghami, A. M., & **Draheim, C.** (May, 2012). *Source monitoring trade-offs from prospective memory intentions.* Poster presented at the 20th annual meeting of Minds, University of Michigan-Dearborn, MI.

GRADUATE COURSEWORK

Cognitive Psychology

Intelligence (seminar)

Psychological Testing

Human Abilities

Biopsychology

Transcranial Magnetic Stimulation (seminar)

Teaching Practicum

Statistical Analysis I (ANOVA)

Statistical Analysis II (regression)

Multivariate Statistics

Psychometric Theory

Item Response Theory

Structural Equation Modeling

TEACHING EXPERIENCE

GEORGIA INSTITUTE OF TECHNOLOGY – ATLANTA, GA

Teaching Practicum (Prof. Dr. Dianne Leader) Spring 2017
Guest lecture: Neuroimaging Methods
Guest lecture: Memory
Guest lecture: Personality

Teaching Assistant

Course: Intro Psychology (Prof. Tyler Harrison) Fall 2016
Guest lecture: Personality (trait theory)

Course: Cognitive Psychology (Prof. Dr. Eric Schumacher) Spring 2014

SERVICE

Invited reviewer for the following journals:

<i>Psychological Science</i>	<i>Memory and Cognition</i>
<i>Journal of Experimental Psychology: General</i>	<i>Cognition</i>
<i>Research in Developmental Disabilities</i>	<i>Current Directions in Psychological Science</i>

UNDERGRADUATE HONORS AND AWARDS

2014	James B. Angell Scholar (University of Michigan)
2012, 2013	Distinguished Psychology Student Award (University of Michigan-Dearborn)
2012	Richard L. Marsh Memorial Award (HuLC Lab, Dr. Arlo Clark-Foos)
2008-2012	Dean's Scholarship (University of Michigan-Dearborn)