

CURRICULUM VITAE  
FEBRUARY, 2019

**CHRISTOPHER D. DRAHEIM, M. S.**

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Georgia Institute of Technology  
School of Psychology  
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**EDUCATION**

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**GEORGIA INSTITUTE OF TECHNOLOGY - ATLANTA, GA**

Ph.D. Cognition and Brain Science Psychology Expected 2020  
Minor in Quantitative Psychology  
Advisor: Dr. Randall W. Engle

**GEORGIA INSTITUTE OF TECHNOLOGY - ATLANTA, GA**

M.S. Cognition and Brain Science Psychology August 2017  
Minor in Quantitative Psychology  
Advisor: Dr. Randall W. Engle

**UNIVERSITY OF MICHIGAN - DEARBORN, MI**

B.A. Psychology, *With High Distinction* December 2012  
Minor in Philosophy  
Advisor: Dr. Arlo Clark-Foos

**RESEARCH INTERESTS**

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- Individual differences in working memory capacity, fluid intelligence, attention control, and other executive functioning
- 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**

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*Published*

**Draheim, C.**, Mashburn, C. A., & Engle, R. W. (2019). Reaction time in differential and development research: A review and commentary on problems and alternatives. *Psychological Bulletin*. In press.

Foster, J. L., Harrison, T. L., Hicks, K. L., **Draheim, C.**, Redick, T. S., & Engle, R. W. (2017). Do the effects of working memory training depend on baseline ability level? *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 43(11), 1677-1689.

Felez-Nobrega, M., Foster, J. L., Puig-Ribera, A., **Draheim, C.**, & Hillman, C. H. (2018). Measuring working memory in the Spanish population: Validation of a multiple shortened complex span task. *Psychological assessment*, 30(2), 274-279.

**Draheim, C.**, Harrison, T. L., Embretson, S. E., & Engle, R. W. (2018). What item response theory can tell us about the complex span tasks. *Psychological Assessment*, 30(1), 116-129.

Foster, J. L., Harrison, T. L., Hicks, K. L., **Draheim, C.**, Redick, T. S., & Engle, R. W. (2017). Do the effects of working memory training depend on baseline ability level?. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 43(11), 1677-1689.

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 prep.*

Tsukahara, J. S., Harrison, T. L., **Draheim, C.**, Martin, J. D., & Engle, R. W. (2019). *General discrimination ability: Why should performance on sensory tasks relate to cognitive ability?* Manuscript submitted for publication.

**Draheim, C.**, Tsukahara, J. S., Martin, J. D., & Engle, R. W. (2019). Accuracy-based tasks measure attention control better than reaction time. Evidence for the unity of attention control. Manuscript in preparation.

## **CONFERENCE PRESENTATIONS**

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**Draheim, C.**, Martin, J. D., Tsukahara, J. S., Mashburn, C. A., & Engle, R. W. *Measurement of Attention Control*. Paper to be presented at the 59<sup>th</sup> meeting of the Psychonomic Society, New Orleans, LA.

**Draheim, C.**, Mashburn, C. A., & Engle, R. W. *Reaction times do not reliably measure individual differences in cognition: The problem and solutions*. Poster 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**

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### **General**

Cognitive Psychology  
Intelligence  
Psychological Testing  
Human Abilities  
Biopsychology  
Transcranial Magnetic Stimulation  
Teaching Practicum  
Research Methods

### **Quantitative**

Statistical Analysis I (ANOVA)  
Statistical Analysis II (regression)  
Multivariate Statistics  
Psychometric Theory  
Item Response Theory  
Structural Equation Modeling  
Psychometric Scaling

## **TEACHING EXPERIENCE**

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### **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**

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Invited reviewer for the following journals:

*Psychological Science*  
*Journal of Experimental Psychology: General*  
*Research in Developmental Disabilities*

*Memory and Cognition*  
*Cognition*  
*Current Directions in Psychological Science*

## **HONORS AND AWARDS**

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2019 Psychology Best Graduate Student Paper Award (Georgia Institute of Technology)  
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)