

CURRICULUM VITAE
APRIL, 2018

JESSIE D MARTIN, M.S.

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School of Psychology
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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY - ATLANTA, GA

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

GEORGIA INSTITUTE OF TECHNOLOGY - ATLANTA, GA

M.S. Cognition and Brain Science Psychology June, 2015
Advisor: Dr. Paul Verhaeghen

FURMAN UNIVERSITY – GREENVILLE, SC

B.A. Psychology, *Magna Cum Laude* May, 2009
Minor in Philosophy
Advisor: Dr. Giles Einstein

RESEARCH INTERESTS

- Individual differences in working memory capacity, fluid intelligence, and executive functioning in language learning and reading comprehension.
- Relationship of post-error slowing and speed-accuracy tradeoffs to higher order cognition.
- Measurement of executive function tasks in monolinguals and bilinguals.
- Prospective Memory

EXTERNAL GRANT APPLICATIONS-WITH PI DR. RANDALL ENGLE

Does measurement of Attention Control ability increase validity of the ASVAB?.

Office of Naval Research Spring 2018.

Extension for investigating strategies to improve second language learning in online learning environments.

DARPA Summer 2017

PEER-REVIEWED PUBLICATIONS

Published & In Press

Calderón-Garcidueñas, L., López, S. C., ... **Martin, J.D.**, Draheim C., & Engle, R. W. (2016). Chocolate, air pollution and children's neuroprotection: Ancient friend, new player. How to measure results? *Frontiers in Pharmacology*.

Montoya, A.† †, Carter, D.R., **Martin, J.**, & DeChurch, L.A. (2015). The Five Perils of Team Planning: Regularities and Remedies. In M. Frese & M. Mumford (Eds.), *Organization Planning: The Psychology of Performance* (pp. 166. Organization and Management Series: Taylor & Francis.

Submitted:

Martin, J.D., Shipstead, Z., Harrison, T.L., Reddick, T.S., Bunting, M., & Engle, R.W. (R&R: *JEP: LM&C*). The Role of Maintenance and Disengagement in Predicting Reading Comprehension and Vocabulary Learning.

Under Revision:

Martin, J.D., & Verhaeghen, P. Speed Accuracy Trade Off in Prospective Memory Across the Lifespan.

Shipstead, Z., **Martin, J. D.**, Harrison, T. L., Redick, T. S., & Engle, R. W. (2017). Working Memory Updating as the Defining Property of Executive Attention: Maintenance, Disengagement, and Attention Control.

Shipstead, Z., **Martin, J. D.**, & Nespodzany, A. (2017). Visuospatial Working Memory, Auditory Discrimination, and Attention.

Manuscripts in Preparation:

Martin, J. D., Harrison, T. L., & Engle, R. W. (2018). The Role of Maintenance and Disengagement in Prospective Memory and Commission Errors.

Shipstead, Z., Draheim, C., **Martin, J. D.**, & Engle, R. W. (2017). Working Memory Capacity, Visual Attention, and Perceptual Load: Reducing Individual Differences and Dealing with the Speed/Accuracy Tradeoff.

Shipstead, Z. & **Martin, J. D.** (2018). Mindfulness, Improved Attention, and Working Memory: A Theoretical Approach to Cognitive Interventions and Construct Development

CONFERENCE PRESENTATIONS & POSTERS

Symposia:

Martin, J. D., Harrison, T. L., Shipstead, Z. & Engle, R. W. (2018, March). The Role of Maintenance and Disengagement in Prospective Memory Performance. Held at the 64th annual meeting of the Southeastern Psychological Association.

Shipstead, Z. & **Martin, J. D.** (2018, February). Maintenance and Disengagement as Executive Attention. Paper presented at the North Carolina Cognition Conference, Chapel Hill, NC.

Posters:

Martin, J.D., Engle, R.W., & Shipstead, Z. (2018). The role of maintenance and disengagement in reading comprehension and vocabulary learning. NCCog, Chapel Hill, NC.

Martin, J.D. & Verhaeghen, P. (2017). Measuring Ongoing Task Costs in Prospective Memory Paradigms: An Alternate to Reaction Time Difference Scores. Psychonomics, Vancouver, BC.

Martin, J.D., Engle, R.W., & Shipstead, Z. (2016). The role of maintenance and disengagement in reading comprehension. Psychonomics, Boston, Ma.

Martin, J.D., & Verhaeghen, P. (2016). Prospective Memory Performance: The Role of Age, Selective Attention, and Working Memory Capacity. Bi-Annual Cognitive Aging Conference, Atlanta, Ga.

Martin, J.D. & Verhaeghen, P. (2013). *Executive Control and Prospective Memory Performance: A mediation model approach*. Psychonomic Society Annual Meeting, Toronto.

Martin, J.D., & Einstein, G. (2009). *Prospective Memory: The effects of monitoring and encoding specificity on performance*. Furman Davidson Interscholastic Conference, Greenville, Sc.

GRADUATE COURSEWORK

Cognitive Psychology	Statistical Analysis I (ANOVA)
Sensation & Perception	Statistical Analysis II (Regression)
Developmental Psychology	Structural Equation Modeling
Cognitive Aging	Multivariate
Neuroanatomy	Signal Detection Theory
Biopsychology	Teaching Practicum
Psychology of Aging	Research Methods
Spatial Navigation	FMRI Data Analysis
Human Abilities	

TEACHING EXPERIENCE

GEORGIA INSTITUTE OF TECHNOLOGY – ATLANTA, GA

Teaching Assistant Course: Learning & Memory (Dr. Randall Engle)
Spring 2014

DUKE TIP –ATHENS, GA

Eyewitness MISidentification

Duties included: Lecture, preparing syllabus, and activity plans geared to middle school students.

DUKE TIP – ATLANTA, GA

Criminal Minds: Psychology and law. Summer 2015

Duties included: Lecture, preparing syllabus and all course work documents, assigning readings and projects, and providing a comprehensive evaluation of each student's performance at the end of the 3 week session.

DUKE TIP – ATLANTA, GA

Criminal Minds: Psychology and law. Summer 2014

Duties included: Lecture, preparing syllabus and all course work documents, assigning readings and projects, and providing a comprehensive evaluation of each student's performance at the end of the 3 week session.

GEORGIA INSTITUTE OF TECHNOLOGY – ATLANTA, GA

Teaching Assistant:

Course: Cognitive Psychology (non-majors) Fall 2011

Course: Introductory Psychology Spring 2012

FURMAN UNIVERSITY – GREENVILLE, SC

Teaching Assistant
Course: Cognitive Psychology (Dr. Giles Einstein) Spring 2008

Teaching Assistant/Lab Instructor:

Research Methods and Statistics (Dr. Charles Brewer) Fall 2009

Research Methods and Statistics (Dr. Elaine Han)

Spring 2009

Research Methods and Statistics (Dr. Charles Brewer)

Fall 2008

GRADUATE HONORS & AWARDS

2018 PsyGrad Travel Award

2012-2015 NIH Training Grant Fellow

2013 Ford Fellowship Honorable Mention

Service to Schools:

GURP invited graduate student panelist, 2018

GURP poster judge, 2018

Psychology Interlab Grant (PIG) Reviewer, 2018

Undergraduate Research Poster Judge, 2017

Ad Hoc Journal Reviewer:

Psychological Science

Journal of Cognitive Science