

# Kaitlyn May

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## Education

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| 2017-present       | University of Alabama—Tuscaloosa, AL<br>Doctor of Philosophy in Educational Psychology<br>Concentration in Educational Neuroscience<br>Certificate in Quantitative Methods                                                                     |
| 2014-2017          | Mississippi State University<br>Bachelor of Science in Educational Psychology<br>Minor in Spanish Language<br>Summa cum laude<br>Thesis: <i>Media Multitasking in Relation to Cognition and Socioemotional Well-being: A Literature Review</i> |
| Trinity Term, 2016 | Visiting Scholar under Dr. Anna Scarna, Pediatric Neurolinguistics. Christ Church College, University of Oxford. Trinity Term, 2016.                                                                                                           |

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## Research Interests

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- Cognition of Language Production
- Neurolinguistics
- Language Exceptionalities (i.e., language and speech disorders, bilingualism)
- Executive Function

## RESEARCH

*\*Undergraduate student co-author*

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## Publications

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**May, K. E.,** Himsel, G., Rahimian, E., & Negreros, L. [ChildrenAtRisk] (2019, July 29). *Spanish-Understanding Schools* [Video File]. Retrieved from <https://www.youtube.com/watch?v=taWQmEpiZcM&feature=youtu.be>

Featured on SmartParents.org:

**May, K. E.,** Himsel, G., Rahimian, E., & Negreros, L. [ChildrenAtRisk] (2019, April 23). *For Parents: Understanding Schools* [Video File]. Retrieved from <https://www.youtube.com/watch?v=JZnk8Xlm5lo&t=>

**May, K. E.,** O'Quinn, K., Rahimian, E., & Treacy, C. (2019). Parenting. In *Growing Up in Houston 2018-2019: Assessing the Quality of Life in Our Children*. Houston, TX: Children at Risk.

**May, K. E.,** & Elder, A. (2018). Efficient, helpful, or distracting?: A literature review of media multitasking in relation to academic performance. *International Journal of Technology in Higher Education*, 15(13), 1-17, doi: 10.1186/s41239-018-0096-z.

Video Abstract:

Featured on YouTube, Educational Technology in Higher Education:

**May, K. E.** & Elder, A. [ETHE journal]. (February 28, 2018). *May\_Elder\_27/02/18* [Video File]. Retrieved from <https://www.youtube.com/watch?v=fpszTCXDA3g&feature=youtu.be>

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## Unpublished Manuscripts

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Chapman, Melissa, **May, K. E.**, & Scofield, J. (2019). Does Group Membership Affect Children's Judgements of Social Transgressions? *Journal of Experimental Child Psychology*. Manuscript under revision.

**May, K. E.**, Anchan, D., & Ivy, S\*. *Teaching Abstract Scientific Concepts Through Dance: The Perfect Pas de Deux?* Unpublished manuscript, University of Alabama, Tuscaloosa, AL.

**May, K. E.**, O'Quinn, K., & Rahimian, E. *State of Texas Families*. Houston, TX: Children at Risk.

**May, K. E.**, Gideon, L.\*, & Scofield, J. *The Role of Inhibitory Control in Syntactic Ambiguity Processing*. Unpublished manuscript, University of Alabama, Tuscaloosa, AL.

**May, K. E.**, Stelmach, A.\*, Scofield, J., & Buhr, A. *Learning What Not to Say: How Do Children Learn Swear Words?* Unpublished manuscript, University of Alabama, Tuscaloosa, AL.

**May, K. E.**, & Scofield, J. (2019). *Examination of the Preschool Bilingual Inhibitory Control Advantage*. Unpublished manuscript, University of Alabama, Tuscaloosa, AL.

**May, K. E.**, Johnson, U., & Montroy, J. (2019). *Developmental Changes in the Executive Function and Language Relationship*. Unpublished manuscript, University of Texas Health Science Center at Houston, Children's Learning Institute, Houston, TX.

**May, K. E.**, Johnson, U., & Montroy, J. (2019). *Examination of the Bilingual Inhibitory Control Advantage in Early Childhood*. Unpublished manuscript, University of Texas Health Science Center at Houston, Children's Learning Institute, Houston, TX.

**May, K. E.**, Johnson, U., & Montroy, J. (2019). *Exploring the Relationship Between Executive Function and Language in Early Childhood*. Unpublished manuscript, University of Texas Health Science Center at Houston, Children's Learning Institute, Houston, TX.

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## Other Publications

*Tutor-reviewed publications as Visiting Scholar at Christ Church College, University of Oxford*

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**May K. E.** & Scarna, A. (June, 2016). *What do studies of cochlear implants tell us about the innate language learning skills?* Study abroad literature review, Christ Church College, University of Oxford, Oxford, England, U.K.

**May K. E.** & Scarna, A. (June, 2016). *Language construction in children with Autism Spectrum Disorder*. Study abroad literature review, Christ Church College, University of Oxford, Oxford, England, U.K.

**May, K. E.** & Scarna, A. (June, 2016). *Dyslexia diagnosis in languages with transparent orthographies*. Study abroad literature review, Christ Church College, University of Oxford, Oxford, England, U.K.

**May, K. E.** & Scarna, A. (May, 2016). *Nature or nurture? What do interventions tell us about the causes of specific language impairment?* Study abroad literature review, Christ Church College, University of Oxford, Oxford, England, U.K.

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## Presentations

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**May, K. E.**, Johnson, U., Montroy, J. (July, 2019). *Exploring the Early Childhood Executive Function and Language Relationship: A Preliminary Analysis*. Poster presented at the Cognitive Science Society, Montreal, CA.

**May, K. E.**, Johnson, U., Montroy, J. (April, 2019). *Developmental Changes in the Early Childhood Executive Function and Language Relationship: A Preliminary Analysis*. Poster presented at the

University of Alabama Educational Studies in Psychology, Research Methodology, and Counseling Graduate Symposium, Tuscaloosa, AL.

**May, K. E. & Soyly, F.** (May, 2018). *Relationships between Attentional Control and Language Learning: an EEG study*. Poster presented at the Bilingualism and Academic Achievement Research Conference, Houston, TX.

**May, K. E. & Soyly, F.** (March, 2018). *Relationships between Attentional Control and Language Learning: an EEG study*. Poster presented at the University of Alabama Educational Studies in Psychology, Research Methodology, and Counseling Graduate Symposium, Tuscaloosa, AL.

Gallo, K., & **May, K. E.** (November, 2017). *The Dreaded APA Format: The psychology behind successfully teaching (and learning) APA manuscript formatting*. Training presented at the annual meeting of the Mid-South Educational Research Symposium, Starkville, MS.

**May, K. E.,** Burford, E., Elder A., Moss, J., Gallo, K., Pratte, M., Thomas, S., Raghavan, M., Durriseau, J. (April, 2017). *Relationship between Multitasking and Language Learning: an EEG study*. Poster presented at Mississippi State College of Education Faculty/Student Research Forum, Starkville, MS.

**May, K. E. & Elder, A.** (April, 2017). *Media Multitasking in Relation to Cognition and Socioemotional Well-being: A Literature Review*. Poster presented at Mississippi State College of Education Faculty/Student Research Forum, Starkville, MS.

**May, K. E. & Elder, A.** (April, 2017). *Media Multitasking in Relation to Cognition and Socioemotional Well-being: A Literature Review*. Paper presented at Mississippi State University 2017 Three-Minute Thesis Competition, Starkville, MS.

**May, K. E. & Elder, A.** (April, 2017). *Media Multitasking in Relation to Cognition and Socioemotional Well-being: A Literature Review*. Poster presented at Mississippi State University's Spring 2017 Undergraduate Research Symposium, Starkville, MS.

**May, K. E. & Elder, A.** (November, 2016). *Cognitive and Socioemotional Effects of Media Multitasking: A Literature Review*. Paper and PowerPoint presented at the annual meeting of the Mid-South Educational Research Association, Mobile, Alabama.

**May, K. E. & Elder, A.** (April, 2016). *Technology and Education: A Literature Review of Multitasking in Relation to Cognition and Socio-emotional Well-being*. Poster presented at Mississippi State College of Education Faculty/Student Research Forum, Starkville, MS

**May, K. E. & Elder, A.** (April, 2016). *Technology and Education: A Literature Review of Multitasking in Relation to Cognition and Socio-emotional Well-being*. Poster presented at Mississippi State University's Spring 2016 Undergraduate Research Symposium, Starkville, MS

Brotherton, B., Hargrove, S., **May, K., E.** Patev, A. & Hood, K. B. (April, 2015). *Sexism, Gender, and Rape Myth Acceptance*. Poster presented at Mississippi State University's Spring 2015 Undergraduate Research Symposium, Starkville, MS

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## Research Experience

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- August 2018 – present     Graduate Research Assistant, The Alabama Cognitive Development Lab, The University of Alabama, Tuscaloosa, Alabama
- The Role of Inhibitory Control in Syntactic Ambiguity Processing—*Principal Investigator*
    - Mentored undergraduate research assistants
  - Preschool Bilingual Inhibitory Control Advantage—*Principal Investigator*
    - Does Group Membership Affect Children's Judgements of Social Transgressions?—*Secondary Author*

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|                        | <ul style="list-style-type: none"> <li>• Learning What Not to Say: How Do Children Learn Swear Words?—<i>Research Assistant</i> <ul style="list-style-type: none"> <li>○ Mentored undergraduate research assistants</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| May 2019 – present     | <p><u>Graduate Research Assistant</u>, Cognition, Brain, and Autism Laboratory, The University of Alabama at Birmingham, Birmingham, Alabama</p> <ul style="list-style-type: none"> <li>• Neural and neuropsychological correlates of driving in autism and attention-deficit/hyperactivity disorder—<i>Research Assistant</i> <ul style="list-style-type: none"> <li>○ Assisted in fMRI data collection</li> </ul> </li> <li>• The efficacy of a visualizing reading intervention on improving the brain’s reading network in children with autism—<i>Research Assistant</i></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| May 2018 – present     | <p><u>Research Assistant I</u>, Children’s Learning Institute, Houston, Texas</p> <ul style="list-style-type: none"> <li>• Examination of the Bilingual Inhibitory Control Advantage in Early Childhood—<i>Principal Investigator</i></li> <li>• Exploring the Early Childhood Executive Function-Language Relationship—<i>Principal Investigator</i></li> <li>• Developmental Changes in the Executive Function and Language Relationship—<i>Principal Investigator</i></li> <li>• An Integrative Approach to Improve Child Outcomes through Research-based Parent and Teacher Interventions—<i>Research Assistant</i> <ul style="list-style-type: none"> <li>○ Early Communication Indicator (ECI) and Tower Task data coding in English and Spanish</li> </ul> </li> <li>• Brain-PALS MRI Study—<i>Research Assistant</i> <ul style="list-style-type: none"> <li>○ Assisted in fMRI data collection</li> <li>○ Participated in weekly fMRI seminar</li> </ul> </li> </ul>                                                                                                                                               |
| May 2018 – August 2018 | <p><u>Graduate Intern</u>, Center for Parenting and Family Well-Being, CHILDREN AT RISK, Houston, Texas</p> <ul style="list-style-type: none"> <li>• Growing Up in Houston—<i>First author, Parenting chapter</i> <ul style="list-style-type: none"> <li>○ Publication discussing the well-being of Houston’s children and offering tools to identify the most strategic and pressing areas for intervention, chart new paths to move Houston forward, and track progress over time.</li> <li>○ Analyzed data and wrote Parenting chapter</li> </ul> </li> <li>• State of Texas Families—<i>First author</i> <ul style="list-style-type: none"> <li>○ Analyzed data and wrote “State of Texas Families,” a publication analyzing early childhood well-being indicators to assess Texas families and provide evidence-based parent support.</li> </ul> </li> <li>• Understanding Schools—<i>First author</i> <ul style="list-style-type: none"> <li>○ Animated video explaining four main types of schools in English, Spanish, and Mandarin</li> <li>○ Video targeted towards non-literate audience</li> </ul> </li> </ul> |
| August 2017 – May 2018 | <p><u>Graduate Research Assistant</u>, The Education and Cognitive Science Lab, The University of Alabama, Tuscaloosa, Alabama</p> <ul style="list-style-type: none"> <li>• Research on the linguistic, cognitive, and social development of children from various sociocultural backgrounds, seeking ways to foster their academic skills in light of those specific backgrounds.</li> <li>• Links between Inhibitory Control and Language Control: A Sliding Continuum Between Autism and Bilingualism—<i>Secondary Author</i></li> <li>• Developed and obtained community partnerships to strengthen lab recruitment.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| May 2017 – August 2017 | <p><u>Project Intern</u>, Huffington Center on Aging, Neuroscience Department, Baylor College of Medicine, Houston, Texas</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

- Focus on uncovering the molecular pathways that regulate neural aging and test ways to attenuate these changes.
- Animal research and handling, retina dissection (whole-mount and cross-hatch), cryoprotection/mounting, cryosectioning, immunohistochemistry staining, epifluorescent microscopy, confocal microscopy imaging, and image processing via Fiji ImageJ and Adobe Illustrator.
- Presented research presentation upon completion of internship detailing summer research.

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| August 2016 – May 2017  | <p><u>Research Assistant</u>, Mississippi State University, Counseling, Educational Psychology, and Foundations Department; MSU Psychology Department, Cognitive Science Division, Starkville, MS, August 2016-May 2017.</p> <ul style="list-style-type: none"> <li>• Relationships Between Attentional Control, Multitasking, and Language Learning: an EEG Study—<i>Principal Investigator</i></li> </ul>                                                                                                                 |
| August 2015 – May 2017  | <p><u>Research Assistant</u>, Mississippi State University Counseling, Educational Psychology, and Foundations, Dr. Anastasia Elder, Starkville, MS August 2015- May 2017.</p> <ul style="list-style-type: none"> <li>• Efficient, helpful, or distracting?: A literature review of media multitasking in relation to academic performance—<i>Principal Investigator</i></li> <li>• Media Multitasking in Relation to Cognition and Socioemotional Well-being: A Literature Review—<i>Principal Investigator</i></li> </ul> |
| January 2015 – May 2015 | <p><u>Research Assistant</u>, Mississippi State University Psychology Department, Dr. Kristina Hood, Starkville, MS, January-May 2015.</p> <ul style="list-style-type: none"> <li>• Sexism, Gender, and Rape Myth Acceptance—<i>Research Assistant</i></li> <li>• PTSD in Military Societies—<i>Research Assistant</i></li> </ul>                                                                                                                                                                                           |

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## External Funding

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- University of Alabama Council on Community-Based Partnerships Seed Funding Grant (2019)—\$500, *Principal Investigator*
- University of Alabama Graduate Council Fellow (2017-2018)—\$44,000, *Academic merit fellowship*
- MSU College of Education Undergraduate Research Grant (2016-2017)—\$1,500, *Research Assistant*
- MSU Shackouls Honors College Undergraduate Research Program Travel Award Recipient (2016)
- MSU Shackouls Honors College Study Abroad Scholarship Recipient (2016)

## TEACHING

<sup>U</sup>Undergraduate Course | <sup>G</sup>Graduate Course

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## Teaching Experience

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| Fall 2019 | <p><b>Graduate Teaching Assistant</b><br/> Dr. Youn-Jeng Choi<br/> Department of Educational Studies in Psychology, Research Methodology, and Counseling<br/> University of Alabama</p> <p><b>BER 642<sup>G</sup> – Advanced Regression Methods</b><br/> BER 642 is an overview of different multiple regression methods designed to teach advanced regression methods including ordinary least squares regression, ordinal regression, logistic and probit regression, loglinear, mixed, and regression discontinuity. Interpretation of results diagnostics, and applications are covered for the several GLM models. The course focuses on understanding, conceptualizing, designing, and interpreting advanced regression methods.</p> |
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Invited Guest Lecturer: *Overview of Correlation*

Other Responsibilities: *Grading papers, tutoring*

Fall 2019,  
Spring 2019

**Graduate Teaching Assistant**

Dr. Jason Scofield

Department of Human Development and Family Studies

University of Alabama

**HD 101<sup>U</sup> – Lifespan Human Development**

HD 101 is a survey of physical, cognitive social, and emotional development across the lifespan. It is a lecture-based course which includes 3 exams, 3 projects, and 1 research paper. The projects are designed to provide real-world examples of topics or concepts discussed during lectures and the paper is intended to be an introduction to the kind of rigorous scientific research that underlies those topics or concepts. This course fulfills a University Core requirement in the Social and Behavioral Sciences and serves students from across campus in a variety of majors.

Invited Guest Lecturer: *Brain Development, Theory of Mind and Executive Function, Middle Adulthood*

Other Responsibilities: *Grading papers, final exam study session, tutoring*

Summer 2018 –  
present

**Undergraduate and Graduate Tutor**

Online tutor to undergraduate and graduate students

**Student Rating: 92%**

**Anonymous Student Reviews by Subject**

Psychology

*Kaitlyn was extremely helpful and straight forward. She helped me understand and think about each question in a different way. I will definitely use her again.*

Psychological Statistics

*She is AMAZING, honestly one of the best online instructors I have had, she works thoroughly with you, is very clearly in her responses, asks questions, uses good examples to explain concepts. A++++*

Cognitive Science

*Kaitlyn was a great tutor! I will always come back to her when I need guidance. She is the best!*

Education

*Kaitlyn is the best. She doesn't give you the answers, she helps you understand the work and get a better view which then makes you answer the question, which is very important. With her help I was able to get through my course work which I struggled with for weeks.*

Writing

*She was absolutely amazing! She really helped me gather my thoughts in order to execute what I was trying to say in my paper. She really guided me and also helped with APA formatting, would highly recommend!*

*She was extremely thorough. She helped me at a high level through showing me the nuances of my work.*

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| Conference Judge            | <ul style="list-style-type: none"> <li>• <i>University of Alabama Undergraduate Research and Creative Activity Conference (2019)</i></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                              |
| Conference Referee/Reviewer | <ul style="list-style-type: none"> <li>• <i>The Society for Cognitive Science (2019)</i></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Journal Referee/Reviewer    | <ul style="list-style-type: none"> <li>• <i>International Journal of Technology in Higher Education (2)</i></li> <li>• <i>Journal of School Violence (1)</i></li> <li>• <i>Journal of Cognitive Psychology (1)</i></li> </ul>                                                                                                                                                                                                                                                                                                                |
| Grant Review                | <ul style="list-style-type: none"> <li>• <i>The Alabama Department of Child Abuse and Neglect Prevention (2019)</i></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spring 2019                 | <p><u>Curriculum Development Assistant</u><br/> Bachelor of Science in Educational Neuroscience<br/> Department of Educational Studies in Psychology, Research Methodology, and Counseling<br/> University of Alabama</p> <ul style="list-style-type: none"> <li>• Assisted in developing an undergraduate program in Educational Neuroscience</li> <li>• Developed syllabi for two courses: BEP 320 Brain, Learning, and Cognition; BEP 350 Experimental Methods in Educational Neuroscience</li> </ul>                                     |
| Sept. 2015 – May 2017       | <p><u>Office Assistant, Volunteer</u><br/> Department of Counseling, Educational Psychology, and Foundations<br/> Mississippi State University</p> <ul style="list-style-type: none"> <li>• Greet guests in a cheerful manner and notify professors of appointment arrivals</li> <li>• Listen attentively to student issues before deciding most fitting approach</li> <li>• Help with routine office tasks, such as answering the phone, creative and filing documents, preparing information media packets, and running errands</li> </ul> |
| Sept. 2015 – May 2017       | <p><u>Student Ambassador</u><br/> College of Education<br/> Mississippi State University</p> <ul style="list-style-type: none"> <li>• Organized fundraiser for College</li> <li>• Cooperated with team of 24 students to successfully operate 8 orientation sessions and staffed recruiting and alumni events throughout the academic year</li> <li>• Presented vital campus and curriculum information to small groups of freshmen, transfer students, and their parents</li> </ul>                                                         |

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## Awards and Honors

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- Center for Community-Based Partnerships (CCBP) Winning Grants and Sustaining Communities Program Selected Participant (2019)
- University of Alabama Educational Studies in Psychology, Research Methodologies, and Counseling Graduate Research Symposium Poster Presentation Merit Award (2019)
- University of Alabama Graduate Council Fellow (2017-2018)
- *Second Place, Undergraduate Group Poster Submission*, Mississippi State College of Education Research Forum (2017)
- *Third Place, Three Minute Thesis (3MT) Competition*, Mississippi State Undergraduate Research Symposium (2017)
- National Board for Professional Teaching Standards LiftEd Conference, Jackson, Mississippi. Student Representative of MSU College of Education Student Ambassador Program (2017)
- MSU Academic Insight Honors College Student Representative Speaker (2017)
- MSU Rhodes Scholar Nominee (2016)
- MSU Marshall Scholarship Nominee (2016)
- MSU College of Education Academic Insight Student Representative (2016, 2017)

- MSU Hail State Giving Days Student Ambassador (2016, 2017)
- MSU Spirit of State Nominee (2016)
- MSU Scholars Recognition Day speaker (Fall 2015)

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## **Special Skills**

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- Advanced proficiency in Spanish
- Software Skills:
  - R
  - MATLAB
  - EEG Lab
  - Adobe Illustrator
  - Adobe Photoshop
  - Adobe Premiere
  - Adobe Animate
  - SuperLab
  - SPSS
  - JASP
  - GingerALE
  - Scribe
  - Sleuth

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## **Professional Memberships**

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- American Educational Research Association
- Society for Research in Child Development
- The Cognitive Science Society