

EMMETT SPEED

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Former first name: Emily

EDUCATION

- ~2020 **Ph.D in Educational Neuroscience**
Utah State University, Logan, Utah
Committee Chair: Kerry Jordan
- 2015 **B.A. in Psychology**
University of West Florida, Pensacola, Florida
- 2010 **A.A. in General Studies**
Pensacola State College, Pensacola, Florida

RESEARCH EXPERIENCE

- Summer 2018 **Field Work and Immersive Language Classes**, 2018 Kablajuj Ey Kaqchikel Summer School.
Wuqu' Kawoq and Maryland Language Science Center, University of Maryland.
- 2017-18 **Graduate Research Assistant**, Early Mathematics Research Group (EMRG)
PI- Jessica Shumway, Ph.D. *Utah State University*
- Fall 2017-* **Laboratory Manager**, Multisensory Cognition Lab (MCL)
PI- Kerry Jordan, Ph.D. *Utah State University*
- Summer 2017 **Field Work and Immersive Language Classes**, 2017 Kablajuj Ey Kaqchikel Summer School.
Wuqu' Kawoq and Maryland Language Science Center, University of Maryland.
- 2016-19 **Member**, Virtual Manipulatives Research Group (VMRG).
PI- Patricia Moyer-Packenham, Ph.D. *Utah State University.*
- 2016-* **Graduate Researcher**, Multisensory Cognition Lab (MCL)
PI- Kerry Jordan, Ph.D. *Utah State University*
- 2015-16 **Laboratory Manager**, Cognitive Development Lab (CDL)
PI- Vanessa Rainey, Ph.D. *University of West Florida*
- 2015 **Undergraduate Researcher**, Neurocognition Lab
PI- James Arruda, Ph.D. *University of West Florida*

2014-16 **Undergraduate Researcher**, Cognitive Development Lab
PI- Vanessa Rainey, Ph.D. *University of West Florida*

PUBLICATIONS

- 2019 Rainey, V. R., Flores-Lamb, V., Gjorgieva, E., & **Speed, E. A.** (2019) Language brokering and psychological adjustment in emerging adulthood: Exploring cultural values as moderators. *Journal of Multilingual and Multicultural Development*. DOI: 10.1080/01434632.2019.1630416
- 2018 Moyer-Packenham, P. S., Lommatsch, C. W., Litster, K., Ashby, J., Bullock, E. K., Roxburgh, A. L., Shumway, J. F., **Speed, E.**, Covington, B., Hartmann, C., Clarke-Midura, J., Skaria, J., Westenskow, A., MacDonald, B., Symanzik, J., & Jordan, K. (2018). How design features in digital math games support learning and mathematics connections. *Computers in Human Behavior*, *91*(2019). 316-332.

Publications Under Review

- 2018 Litster, K., Moyer-Packenham, P. S., Lommatsch, C. W., Ashby, J., Roxburgh, A., Bullock, E. P., Shumway, J. F., **Speed, E.**, ... Jordan, K. (Under review, 2018). How Childrens' Affect, Mathematical Connections, and Strategies Influence Learning with Digital Math Games. *Digital Experiences in Math Education*.

Manuscripts in Preparation

- 201x Shumway, J., King, J., Gardner, H., Burnside, M., Bundock, K., Messervy, F., **Speed, E. A.**, & Jordan, K. (201x). *Number System Knowledge Interventions in Second-Grade Classrooms*. Manuscript in preparation.
- 201x **Speed, E. A.** (201x). *Development of decomposed parallel processing in Dual Language Immersion second graders*. Unpublished manuscript.
- 201x **Speed, E. A.** (201x). *Numerical cognition in Mayan bilingual education programs in Guatemala*. Manuscript in preparation.
- 201x **Speed, E. A.** (201x). *Content analysis of place value instruction in Guatemala's National Base Curriculum*. Unpublished manuscript.

PRESENTATIONS

Oral Presentations

- 2019 **Speed, E. A.**, Litson, K., Covington, B., & Jordan, K. (2019, April) *Development of decomposed parallel processing in Dual Language Immersion second graders*. 2019 Student Research Symposium (SRS), Utah State University, Logan, UT.

- 2018 **Speed, E. A.** (2017, June) *Comparación entre los sistemas numéricos: Análisis de datos pilotos [Comparison between numerical systems: An analysis of pilot data]*. Conferencia en Lingüística Maya. Universidad de la Valle de Guatemala - Campus Altiplano, Cantón El Tablón, Sololá, Guatemala.
- 2017 **Speed, E. A.** (2017, June) *Comparación entre los sistemas numéricos en inglés, español, kaqchikel maya, y chino [Comparison between the numerical systems of English, Spanish, Kaqchikel Mayan, and Chinese]*. Intercambio Cultural Con Estudiantes de Lenguas Mayas. Universidad de la Valle de Guatemala - Campus Altiplano, Cantón El Tablón, Sololá, Guatemala.

Poster Presentations

- 2019 **Speed, E.** (2019, June). *Development of decomposed parallel processing in Dual Language Immersion second graders*. Poster presented at the 2019 annual meeting of the Mathematical Cognition and Learning Society (MCLS) in Ottawa, Canada.
- 2019 **Speed, E.,** Litson, K., Covington, B., Nield, T., Henrie, T., & Jordan, K. (2019, April). *Automaticity of place value processing in Dual Language Immersion second graders*. Poster presented at the 2019 annual meeting of Rocky Mountain Psychological Association (RMPA), Denver, CO.
- 2017 Rainey, V. R., Flores-Lamb, V., Gjorgieva, E., & **Speed, E.** (2017, April) *Cultural protective factors for the psychological health of language brokering children and adolescents*. Poster presented at the 2017 biennial meeting of Society for Research in Child Development (SRCD), Austin, TX.
- 2016 **Speed, E.,** & Rainey, V. R. (2016, April) *Cultural protective factors for the mental health of language brokers*. Poster presented at the 2016 Student Scholars Symposium, University of West Florida, Pensacola, FL.
- 2016 DiRienzo, M., **Speed, E.,** Moore, R., & Rainey, V. R. (2016, April) *Predictors of success: The effects of personality factors and executive function on academic achievement in college students*. Poster presented at the 2016 Student Scholars Symposium, University of West Florida, Pensacola, FL.
- 2016 DiRienzo, M., **Speed, E.,** & Rainey, V. R. (2016, April) *Grit and conscientiousness as predictors of academic achievement in college*. Poster presented at the 2016 annual meeting of Southeastern Psychological Association (SEPA), New Orleans, LA.
- 2015 DiRienzo, M., **Speed, E.,** & Rainey, V. R. (2015, August) *Predictors of success: The effects of grit on academic success in college students*. Poster presented at the 2015 Summer Undergraduate Research Symposium: College of Science, Engineering, & Health, University of West Florida, Pensacola, FL.

2015 **Speed, E.** (2015, April) *When teens translate: A literature review of language brokering in adolescence*. Poster presented at the 2015 Student Scholars Symposium, University of West Florida, Pensacola, FL.

TEACHING EXPERIENCE

Instructor of Record, Utah State University

PSY4420 Cognitive Psychology
Fall 2018, Spring 2019, Summer 2019

PSY4430 Cognitive Psychology Lab
Spring 2017, Fall 2018, Spring 2018

Graduate Teaching Assistant, Utah State University

PSY4420 Cognitive Psychology
Instructor of Record- Kerry Jordan
Spring 2017

Instructor of Record- Gonça Soyer
Spring 2018

PSY3010 Psychological Statistics
Instructor of Record- Kaylee Litson
Fall 2017

PSY1010 General Psychology
Instructor of Record- Jen Grewe
Fall 2016, Summer 2017

PSY3400 Advanced Analysis of Behavior
Instructor of Record- Annie Galizio
Fall 2016

Undergraduate Teaching Assistant, Pensacola State College

ASL1150 American Sign Language II
Instructor of Record- Becky Adkins
Spring 2015, Fall 2015

Guest Lecturer, Utah State University

“Brain Anatomy and Neuronal Structure”
PSY1010 General Psychology - Kathryn Sperry
4/20/2018, 9/19/2018, 1/30/2019

PSY1010 General Psychology - Jen Grewe
9/14/2017, 2/7/2018, 1/25/2019

“Brains and Bilingualism”

PSY4420 Cognitive Psychology - Gonça Soyer
3/29/2018

“Language”

PSY4420 Cognitive Psychology - Gonça Soyer
3/27/2018

“Introduction to ANOVA”

PSY3010 Psychological Statistics - Salif Mahamane
11/15/2016

GRANTS

Grants Received

- 2019 **Graduate Research and Creative Opportunities (GRCO) Grant**
“ERP Components in Numerical Stimulus Conflict Processing: An EEG
Validation of the Dot-Number Stroop Task”
Utah State University Office of Research
\$1000, *application under review*
- 2019 **Funding for Travel to 2019 annual meeting of Mathematical Cognition and
Learning Society (MCLS), Ottawa, Canada.**
Psi Chi International Psychology Honors Society
\$1500, *application under review.*
- 2019 **Funding for Travel to 2019 annual meeting of Mathematical Cognition and
Learning Society (MCLS), Ottawa, Canada.**
Utah State University Department of Psychology and Utah State University
Office of Research and Graduate Studies
\$800.
- 2019 **Funding for Travel to 2019 annual meeting of Rocky Mountain Psychological
Association (RMPA), Denver, CO.**
Psi Chi International Psychology Honors Society
\$400
- 2018 **Funding for Travel to 2018 Kablajuj Ey Kaqchikel Summer Field School,
Patzún, Guatemala**
Utah State University Department of Psychology and Utah State University
Office of Research and Graduate Studies
\$800

- 2017-20 **Utah State University Diversity Council Long-Term Grant**
 “Safe Passage”. PI- Kaylee Litson. Co-Investigator.
 Utah State University Diversity Council
\$15,000 for 2017-2020
- 2017 **Graduate Student Research Funds, Second Year Project**
 “Effect of Language of Instruction on Numerical Cognition in Dual Language
 Immersion Classrooms”
 Utah State University Department of Psychology
\$1000
- 2017 **Funding for Travel to 2017 Kablajuj Ey Kaqchikel Summer Field School,**
 Patzún, Guatemala.
 Utah State University Department of Psychology and Utah State University
 Office of Research and Graduate Studies
\$800
- 2016 **Funding for Travel to 2016 annual meeting of the Southeastern Psychological**
Association, New Orleans, LA.
 University of West Florida Office of Undergraduate Research
\$620

Unfunded Grant Applications

- 2018 Fulbright U.S. Student Program, Open Study/Research Award, Guatemala
- 2018 Graduate Research and Creative Opportunities (GRCO) Grant
- 2017 Graduate Research and Creative Opportunities (GRCO) Grant
- 2017 2017 National Science Foundation Graduate Research Fellowship Program (NSF
 GRFP)
- 2016 2016 National Science Foundation Graduate Research Fellowship Program (NSF
 GRFP)

Grant Reviews

Spring 2017 **Scholarship Reviewer**, Graduate Enhancement Award

HONORS, SCHOLARSHIPS, & AWARDS

Fall 2018-* **Member of Psi Chi International Honor Society in Psychology**

2017-2018 **Frederick Q. Lawson Fellowship**
 Emma Eccles Jones College of Education and Human Services, Utah State
 University.
\$2500 for Fall 2017 semester, \$2500 for Spring 2018 semester

- Fall 2017 **Center for Women & Gender Scholarship**
Center for Women and Gender, Utah State University.
\$1196
- 5/2016 **President's List**
4.0 Semester GPA Spring 2016; *University of West Florida*, Pensacola, FL.
- 4/2016 **Best Undergraduate Student Project: Department of Psychology**
2016 Student Scholars Symposium; University of West Florida, Pensacola, FL.
- 4/2016 **2nd Place Undergraduate Presentation: College of Health**
2016 Student Scholars Symposium; University of West Florida, Pensacola, FL.
\$50
- 2009-15 **Florida Medallion Scholar (FMS)**
Florida Bright Futures Scholarship.
75% tuition award.

SERVICE

- 4/6/2019 **Panel Moderator**, "Getting into Grad School and Surviving Once You Get There". 2019 meeting of the Rocky Mountain Psychological Association, Denver, CO.
- 2019-* **OUTSpoken Panelist**, Access and Diversity Center, Utah State University
Panels attended: 4/04/2019, 4/10/2019, 4/15/2019
- 2019-* **Training Facilitator**, Allies on Campus, Access and Diversity Center, Utah State University.
Trainings led: 4/10/2019
- Fall 2018-* **Treasurer**, Utah State University Chapter of Psi Chi International Honor Society in Psychology
- 2018-19 **Graduate Student Representative**, Neuroscience Program, Psychology Department, Utah State University
- 2017 **Co-Facilitator**, Neurodiversity Group, Utah State University
- 2016 **Co-Founder**, Safe Passage for U (SP4U), Utah State University
- 2016-18 **Graduate Student Panelist**, PSY2010 Careers in Psychology, Carrie Madden, Utah State University
- 2016-17 **Global Village Team Member**, Habitat for Humanity Guatemala, Sololá, Guatemala.
April 2-10, 2016, March 4-12, 2017

2007-09

Construction Team, Habitat for Humanity, Pensacola, FL.

ACADEMIC ASSOCIATION MEMBERSHIPS

Psi Chi Psychology Honors Society

Rocky Mountain Psychological Association

The Mathematical Cognition and Learning Society

American Psychological Association

Division 3: Society for Experimental Psychology and Cognitive Science

Division 6: Society for Behavioral Neuroscience and Comparative Psychology

Division 15: Educational Psychology

Division 52: International Psychology

SKILLS

- Data analysis in R, SPSS, MATLAB
- TEMA-3, Woodcock-Johnson IV, WRAT-4
- NIH Cognitive Toolbox
- EEG - BrainVision and Emotiv caps
- Emotiv Testbench
- EmotivPro
- Evernote
- ePrime

LANGUAGES

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|---------------------------------|---|
| • English- native | • Kaqchikel Mayan- beginner and fieldwork |
| • Spanish- fluent | • German- beginner |
| • American Sign Language- basic | |
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REFERENCES

Dr. Kerry Jordan (Ph.D Advisor, committee chair; neuroscience research, teaching, and mentorship reference)

Associate Professor, Department of Psychology, Utah State University

Emma Eccles Jones Education Building, 487

Logan, UT 84322

kerry.jordan@usu.edu

435-797-2797

Dr. Jessica Shumway (committee member; education research and mentorship reference)

Assistant Professor, Department of Mathematics Education and Leadership, Utah State University

Emma Eccles Jones Education Building, 397

Logan, UT 84322

jessica.shumway@usu.edu

435-797-2501

Dr. Melanie Domenech-Rodriguez (committee member; ethics and diversity mentor/reference)

Professor, Department of Psychology, Utah State University

Emma Eccles Jones Education Building, 425

Logan, UT 84322

435-797-3059

Melanie.Domenech@usu.edu