

# SHELBI KUHLMANN, Ph.D.

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## Education

- 2020 Ph.D. Educational Psychology, University of Georgia
- 2018 M.A. Educational Psychology, University of Georgia
- 2015 B.S. Psychology, University of Central Florida

## Awards and Honors

- 2020 Owen Scott Emerging Scholar Award, Department of Educational Psychology, University of Georgia
- 2020 Outstanding Doctor of Philosophy Student, Department of Educational Psychology, University of Georgia
- 2019 Selected to attend the Division C Graduate Student Seminar, American Education Research Association, Toronto, Canada
- 2019 Interdisciplinary Research Fellowship, Department of Educational Psychology, University of Georgia
- 2019 1<sup>st</sup> Place in Best Poster Competition, College of Education Research Conference, University of Georgia
- 2018 Outstanding Master of Arts Student, Department of Educational Psychology, University of Georgia
- 2016 Selected to participate in the Graduate Scholars Leadership Development and Engagement (GS Lead) program, funded by the National Science Foundation, University of Georgia

## Publications

- Fiorella, L., Stull, A. T., **Kuhlmann, S.**, & Mayer R. E. (2019). Fostering Generative Learning from Video Lessons: Benefits of Instructor-Generated Drawings and Learner-Generated Explanations. *Journal of Educational Psychology*.
- Fiorella, L., & **Kuhlmann, S.** (2019). Creating Drawings Enhances Learning by Teaching. *Journal of Educational Psychology*.
- Fiorella, L., **Kuhlmann, S.**, & Vogel-Walcutt, J.J. (2019). Effects of Playing an Educational Game that Incorporates Learning by Teaching. *Educational Technology Research and Development*.
- Fiorella, L., Stull, A. T., **Kuhlmann, S.**, & Mayer R. E. (2018). Instructor Presence in Video Lectures: The Role of Dynamic Drawings, Eye Contact, and the Instructor's Image. *Journal of Educational Psychology*.

## Manuscripts in Preparation

**Kuhlmann, S.,** Feldberg, Z., Fiorella, L., & Bradshaw, L. (in preparation). Enhancing Monitoring Accuracy and Learning for Students with Low Prior Knowledge using Feedback on Learner-Generated Drawings.

**Kuhlmann, S.,** & Fiorella, L. (in preparation). Understanding the Development of Inference-Type when Learning from Concrete and Abstract Visualizations in Science.

## National Conference Presentations

Fiorella, L., **Kuhlmann, S.,** Stull, A. T., & Mayer, R. E. (2020, April). *Fostering Generative Learning from Video Lessons: Effects of Learning Strategies and Lesson Formats*. Poster presented at the American Educational Research Association Annual Meeting, San Francisco, CA. (Conference Cancelled)

Fiorella, L., Stull, A. T., **Kuhlmann, S.,** & Mayer, R. E. (2019, November). *Generative strategies for learning from video lessons in STEM*. Poster presented at the Psychonomics Society Annual Meeting, Montreal, CA.

**Kuhlmann, S.,** Feldberg, Z., Fiorella, L., & Bradshaw, L. (2019, October). *Using Feedback as a Method for Enhancing Drawing Quality with Learner-Generated Drawings*. Poster presented at the University of Georgia Innovation in Teaching Conference, Athens, GA.

Feldberg, Z., **Kuhlmann, S.,** Fiorella, L., & Bradshaw, L. (2019, September). *Enhancing Monitoring Accuracy and Learning with Various Forms of Feedback on Learner-Generated Drawings*. Paper presented at the National Council on Measurement in Education Special Conference on Classroom Assessment, Boulder, CO.

Fiorella, L., & **Kuhlmann, S.** (2018, November). *Creating Drawings Enhances Learning by Teaching*. Poster presented at the Psychonomics Society Annual Meeting, New Orleans, LA.

Fiorella, L., Stull, A. T., **Kuhlmann, S.,** Mayer R. E. (2018, April). *Effects of Transparent Whiteboards on Learning and Engagement During Video Lectures*. Poster presented at the American Educational Research Association Annual Meeting, New York, NY.

**Kuhlmann, S.,** Fiorella, L., & Vogel-Walcutt, J. J. (2017, April). *Implementing Learning by Teaching Within a Narrative Educational Game*. Poster presented at the American Educational Research Association Annual Meeting, San Antonio, TX.

## State and Local Conference Presentations [Asterisk (\*) denotes undergraduate mentee]

\*Lee, J., \*Patel, N., \*Sabella, S., \*Sastry, P., **Kuhlmann, S.,** & Fiorella, L. (2020, April) *Exploring How Pictorial and Semantic Visual Displays Foster Inference Generation*. Poster to be presented at the University of Georgia Center for Undergraduate Research Opportunities Symposium, Athens, GA. (Conference Cancelled)

- Kuhlmann, S.,** Feldberg, Z., Fiorella, L., & Bradshaw, L. (2020, January). *Enhancing Drawing Quality with Formative Feedback on Learner-Generated Drawings in Chemistry*. Poster presented at the University of Georgia College of Education Research Conference, Athens, GA.
- Kuhlmann, S.,** & Fiorella, L. (2019, January). *Creating Drawings Enhances Learning by Teaching*. Poster presented at the University of Georgia College of Education Research Conference, Athens, GA.
- \*Aunapu, D., **Kuhlmann, S.,** & Fiorella, L. (2018, April). *Effects of Instructor Gestures on Learning from a Video Lesson*. Paper presented at the University of Georgia's Center for Undergraduate Research Opportunities Symposium, Athens, GA.
- \*Demario, O., \*Kothapalli, M., \*Aunapu, D., **Kuhlmann, S.,** & Fiorella, L. (2018, April). *Exploring Strategies for Enhancing Learning by Teaching*. Poster presented at the University of Georgia's Center for Undergraduate Research Opportunities Symposium, Athens, GA.
- \*Hoover, J., \*DiGregorio, H., \*Sastry, P., **Kuhlmann, S.,** & Fiorella, L. (2018, April). *Exploring the Effects of Different Video Lesson Formats on Learning in Biology*. Poster presented at the University of Georgia's Center for Undergraduate Research Opportunities Symposium, Athens, GA.
- \*Harris, B., Fiorella, L., & **Kuhlmann, S.** (2017, April). *Do Transparent Whiteboards Promote Learning From Online Lectures in STEM?* Poster presented at the University of Georgia's Center for Undergraduate Research Opportunities Symposium, Athens, GA.
- \*Johnson, E., **Kuhlmann, S.,** & Fiorella, L. (2017, April). *Fostering Productive Beliefs About Failure and Intelligence to Improve Learning in STEM*. Poster presented at the University of Georgia's Center for Undergraduate Research Opportunities Symposium, Athens, GA
- Kuhlmann, S.** & Fiorella, L. (2017, April). *Fostering Productive Beliefs about Learning in STEM with Story-Based Instruction*. Poster presented at the University of Georgia College of Education Conference, Athens, GA.
- Kuhlmann, S.** & Fiorella, L. (2017, March). *Fostering Productive Beliefs about Learning in STEM with Story-Based Instruction*. Poster presented at the University of Georgia Integrative Research and Ideas Symposium, Athens, GA.

## Research Experience

- 2020 Postdoctoral Research Associate  
Learning Sciences and Psychological Studies  
School of Education  
University of North Carolina at Chapel Hill
- 2016 Graduate Research Assistant  
Department of Educational Psychology  
University of Georgia
- 2015 Research Assistant  
Cognitive Performance Group

- 2015 Undergraduate Research Assistant  
Parenting and Family Research Center  
University of South Carolina
- 2014 Undergraduate Research Assistant  
Institute of Simulation and Training  
University of Central Florida

## Teaching and Mentorship

- 2019- Instructor of Record, University of Georgia, Athens, GA  
2020 EPSY 2130: Educational Psychology  
EPSY 2130H: Educational Psychology Honors
- 2015 Substitute Teacher, Orange County Public Schools, Orlando, FL,
- 2013 Special Education Private Teacher, Orlando, FL
- 2011 Early Childhood Educator, St. Paul Lutheran Church and School, Lakeland, FL

## Undergraduate Mentees

Brendan Harris	Anthropology	2016-2017
Elizabeth Johnson	Cognitive Science	2016-2017
Darien Aunapu	Psychology	2017-2018
Johanna Hoover	Special Education	2017-2018
Heather DiGregorio	Psychology	2017-2018
Olivia Demario	Psychology	2017-2018
Manya Kothapalli	Cognitive Science	2017-2018
Pavan Sastry	Biology	2017-2020
Janette Jester	Special Education	2018-2019
Nidhi Patel	Biology	2018-2020
Macy Pyres	Psychology	2019-2020
Srija Sabbella	Biology (pre-med)	2019-2020
Justin Lee	Psychology	2019-2020
Robert Hebert	Biology (pre-med)	2019-2020

## Invited Talks

- 2020 *Inference effects when learning from semantic or pictorial visualizations in science*, Invited Talk, Department of Educational Psychology, University of Georgia
- 2019 *Mind, Brain, and Education*, Invited Panel Speaker, Mount Vernon Upper School.
- 2019 *Thriving, Not Just Surviving: Navigating Graduate School Success*, Invited Panel Speaker, Division of Academic Enhancement, University of Georgia.
- 2019 *Innovating Education: Bridging National Frameworks and Classroom Needs*, Invited Talk, Unify USA Nonprofit Organization.

## **Professional Service**

- 2019 Co-Coordinator  
Impact Showcase  
Department of Educational Psychology  
University of Georgia
- 2019 Co-Founder  
Graduate Researchers in Educational Psychology-Professional Development Fund  
University of Georgia
- 2018 Search Committee Member  
Assistant Professor of Applied Cognition and Development  
Department of Educational Psychology  
University of Georgia
- 2018 Vice President, 2018-2020  
Kappa Delta Pi  
University of Georgia
- 2017 Judge  
Barrow County Science Fair
- 2017 Applied Cognition and Development Representative, 2017  
President, 2018  
Vice President, 2019  
Graduate Researchers in Educational Psychology  
University of Georgia

## **Professional Affiliations**

American Education Research Association  
American Psychological Association  
National Council on Measurement in Education  
Psychonomic Society  
Kappa Delta Pi