





SAMUEL J. BULLARD

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EDUCATION

University of Minnesota, Minneapolis, MN

PhD, Psychological Foundations of Education, expected May 2025.

Advised by Keisha Varma (Ph.D.)

University of Minnesota, Minneapolis, MN

BA, Developmental Psychology, May 2019.

RESEARCH POSITIONS

Graduate Research Assistant

Department of Educational Psychology

University of Minnesota

2020 – Present

Research Professional

Department of Educational Psychology

University of Minnesota

2020 – 2020

Undergraduate Research Assistant

Department of Educational Psychology

University of Minnesota

2018 – 2019

SCHOLARLY WORK

Refereed Journal Articles

Filter, K. J., Ford, A. L. B., **Bullard, S. J.**, Cook, C. R., Sowle, C. A., Johnson, L. D., Kloos, E., & Dupuis, D. (2022). Distilling Check-in/Check-Out into Its Core Practice Elements Through

an Expert Consensus Process. *School Mental Health*. <https://doi.org/10.1007/s12310-021-09495-x>

Filter, K. J., Johnson, L. D., Ford, A. L. B., Sowle, C. A., **Bullard, S. J.**, Cook, C. R., Kloos, E., & Dupuis, D. (2022). An Expert Consensus Process to Distill Tier 1 PBIS into Core Practice Elements Essential to Frontline Implementation. *Education and Treatment of Children*. <https://doi.org/10.1007/s43494-021-00066-y>

Bullard, S. J. (2019). Reflections on Community-Based Research: Learning to Practice what we Preach. *Undergraduate Journal of Service Learning & Community- Based Research*, 8, 1-9..

Conference Proceedings

Varma, K., **Bullard, S. J.** (2023, June). Leveraging CSCL to Support Parent Involvement and Increase Student Learning Outcomes in Communities that are Historically Excluded from STEM. Short paper accepted to the 17th International Conference of the Learning Sciences (ICLS) and Computer-Supported Collaborative Learning (CSCL) 2023. Chicago, IL.

Bullard, S. J., Varma, K. (2023, June). Understanding the Influence of Stereotypical Perceptions of Scientists on Middle School Students' Science Achievement. Poster presentation accepted to the 17th International Conference of the Learning Sciences (ICLS) 2023. Chicago, IL.

Bullard, S. J., Varma, K. (2022). Cognitive Processing in Online Communities of Inquiry. Short paper accepted to the International Conference on Computer-Supported Collaborative Learning, Hiroshima, Japan.

Bullard, S. J., Varma, K., (2022, April). Cognitive Processing in Online Discussion-Based Communities of Inquiry. Paper accepted for presentation at the annual conference of the American Educational Research Association, San Diego, CA.

Bullard, S. J. (2022, October). Teacher Perspectives on Parental Involvement in Middle School Science Learning. Poster accepted (not presented) to the 7th Annual Learning Sciences Graduate Student Conference, University of Illinois at Urbana-Champaign.

Bullard, S. J. (2021, November). Cognitive Presence and Processing in Online Discussion Forums. Poster presented at the 6th Annual Learning Sciences Graduate Student Conference, University of Illinois at Urbana-Champaign.

Bullard, S. J., Varma, K. (2020, November) Language Inquiry into Middle School Students' Perceptions of Science. Poster presented at the 5th Annual Learning Sciences Graduate Student Conference, Madison, WI.

Varma, K., Gullickson, E. C., Loiselle, T., Rohloff, C., Lopez, I., **Bullard, S.,** Simpson, L., & Abdi, A. (2020). Creating equitable connected learning experiences for teachers, students, and parents. In M. Gresalfi, & I. S. Horn (Eds.), 14th International Conference of the Learning Sciences: The Interdisciplinarity of the Learning Sciences, ICLS 2020 - Conference Proceedings (pp. 2305-2308). (Computer-Supported Collaborative Learning Conference, CSCI; Vol. 4). International Society of the Learning Sciences (ISLS).

Varma, K., Gullickson, E., Loiselle, T., Abdi, A., Wurth, C., **Bullard, S.,** Lee, J., Park, J. (2019). An Examination of Parent and Adolescent Roles in a Collaborative Social Media Learning Environment. Presented at the International Convention of Psychological Science. Paris, France.

Invited Talks & Non-Refereed Presentations

Varma, K., **Bullard, S. J.** (2023, April). Amplifying Parent Voices to Increase Middle School Students' Science Learning. Invited talk hosted by the Graduate Group in Science and Mathematics Education (SESAME) and the Berkeley School of Education at the Spring 2023 SESAME Research Colloquium Series in Berkeley, California.

Bullard, S. J., Varma, K. (2022, March). Automated Linguistic Analysis of Cognitive Presence in Online Discussion-Based Communities of Inquiry. Poster presented at the Learning Informatics Lab Research Symposium hosted at the University of Minnesota, Minneapolis, MN.

Bullard, S. J. (2022, February). Cognitive Processing in Online Discussion-Based Communities of Inquiry. Poster presented virtually at Graduate Student Research Day, University of Minnesota, Minneapolis, MN.

Bullard, S. J., Steier, C., Panagi, K., Sturlaugson, P. (2019). Preschoolers and Aggression. Poster presented at the Institute of Child Development, Minneapolis, MN

Bullard, S. J., Flower, C., Son, E., Wurth, C. (2018). Language Differences by Environment in STEM Classroom Engagement Activities. Poster session presented at the University of Minnesota Undergraduate Research Symposium, Minneapolis, MN.

ACADEMIC SERVICE

Reviewer, American Education Research Association, 2020 – Present

Reviewer, International Society of the Learning Sciences, 2021 – Present

Reviewer, Learning Sciences Graduate Student Association, 2020 – Present

ACADEMIC AFFILIATIONS

Lab Member, Learning Informatics Lab, UMN, 2020 – Present

Lab Member, Learning Sciences Lab, UMN, 2020 – Present

Member, American Education Research Association, 2020 – Present

Member, International Society of the Learning Sciences, 2021 – Present

Member, Learning Sciences Graduate Student Association, 2020 – Present

Member, Scientific Thinking and Reasoning Lab, University of Minnesota, 2020 – Present

Member, Learning Informatics Lab, University of Minnesota, 2020 – Present

RESEARCH PROJECTS

Advanced Technologies for the Preservation of Biological Systems (ATP-Bio)

NSF Grant No. EEC 1941543

2023 – Present

PRISM Project (S-NSF Award #2030638)

Principal Investigator(s): Keisha Varma; Renu Kumar; Pangyen Weng; Theresa Edelman

2021 – Present

ESPRIT Project (NSF Award #1657088)

Principal Investigator(s): Keisha Varma

2018 – 2022

Project PACT (IES Award #R305A190182)

Principal Investigator(s): LeAnne Johnson; Kevin Filter

2020 – 2021

Project ENGAGE (IES Award #R324A170032)

Principal Investigator(s): LeAnne Johnson

2020 – 2020

TECHNICAL TRAINING

Introduction to NVivo Workshop

Leadership: Michael J. Beckstrand

Fall 2023

Advanced Foundations of R (AFAR)

Leadership: Ethan Brown and Jeffrey K. Bye

Summer 2021

Foundations of R (FAR)

Leadership: Ethan Brown and Jeffrey K. Bye

Summer 2021