

JAMIE J. JIROUT, Ph.D.

Associate Professor

UVA School of Education and Human Development
Educational Psychology – Applied Developmental Science
Department of Leadership, Foundations and Policy
Jj3wc@virginia.edu twitter: @jamiejirout
ORCID ID: <https://orcid.org/0000-0003-4832-930X>

EDUCATION AND TRAINING

Ph.D. in Developmental Psychology. Carnegie Mellon University, Dietrich College of Humanities and Social Sciences. 2005-2011.

Advised by: David Klahr (chair), Sharon Carver, Marsha Lovett, Robert Siegler

B.A. with Departmental Honors in Psychology, Minor in Business Administration. University of Miami, College of Arts & Science. 2001-2005. Honors Thesis advisor: Daryl Greenfield.

APPOINTMENTS & AFFILIATIONS

Associate Professor of Education, School of Education & Human Development, University of Virginia. 2023-present

Assistant Professor of Education, School of Education & Human Development, University of Virginia. 2016-2023

Affiliated Faculty (by courtesy), Department of Psychology, University of Virginia. 2019-present

Assistant Professor of Educational Psychology, Department of Psychology, Rhodes College. 2014-2016

Postdoctoral Fellow, Spatial Intelligence and Learning Center, Temple University. 2011-2014.

GRANTS: CURRENT

Jirout, J. (PI) (2022-2027). CAREER: Promoting science motivation and learning through instructional support of curiosity. National Science Foundation. (\$865,251)

Role: Principal Investigator

Objective: This research project focuses on how curiosity develops, the ways that classroom learning experiences influence curiosity, and how curiosity can support learning, especially within Science, Technology, Engineering, and Math (STEM) learning contexts.

- Jirout, J. (PI).** (2021-2023). *Curiosity in the classroom: The science and application of curiosity-driven learning*. Jacobs Foundation. (CHF 165'000)
Role: Principal Investigator
Objective: This project complements the Templeton-funded research to explore ways that non-traditional educational philosophies (e.g., Waldorf, Montessori, Reggio Emilia) support students' curiosity and other character virtues.
- Vitiello, V., **Jirout, J.**, Evans, T. (2021-2023). *IDEA: Bringing the Project Approach to Public Pre-K Programs: A Pilot Study*. UVA School of Education and Human Development. (\$10,000)
Role: Co-Investigator, support all stages of the project including developing new grants (LOIs currently under review) as Co-PI.
Objective: This project uses qualitative interviews with early childhood educators to identify how project approach can be implemented into teaching and learning at prek and kindergarten levels and what types of resources would be most beneficial to promote use of project approach in early childhood education. Data collection planned to support larger grant to develop and test materials to support project approach in classrooms.
- Rimm-Kaufman, S. E., Palacios, N. & Pianta, R. (September 2021-August 2025). Virginia Education Science Training Program (VEST). Institute of Education Sciences. U.S. Department of Education (\$784,000).
Role: Affiliated faculty involving mentoring doctoral fellows; 2016-2018 supported students in conducting research-practice partnership projects.
Objective: Prepare doctoral students to conduct rigorous research applying theory and methods from the social sciences to research on schools and classrooms.
- Jirout, J. (PI).** (2020-2024). *Curiosity and Classrooms: An exploration of curiosity and the development of intellectual virtues in schools*. John F. Templeton Foundation. (\$799,935)
Role: Principal Investigator
Objective: Test the impact of different instructional practices on promoting students' curiosity and other character virtues using a longitudinal, cross-lagged design. This project includes measure development and creation of a large video database to support broader research efforts.

GRANTS: COMPLETED

- Jirout, J.**, Opila, E. J., Wylie, C. D. (2021-2023). *Curiosity out of the classroom: The impact of research experience on undergraduate students*. 3 Cavaliers, Office of the Vice President for Research, University of Virginia. (\$60,000)
Role: Principal Investigator
Objective: This project explores how undergraduate research experiences can promote students' curiosity and motivation to pursue engineering as a career, comparing experiences to those in traditional lecture and lab-based classes. Data collection planned to support larger grant to do a larger-scale investigation of how curiosity can be

promoted both in courses and research experiences, especially for students from background underrepresented in engineering.

Jirout, J. (PI). (2017-2018). *Motivating students: Promotion of curiosity, growth mindset, and mastery goal orientation in teacher language*. Center for Curriculum Redesign. (\$69,661)

Role: Principal Investigator

Objective: This grant funded a project that used an iterative process of observations of high-quality instruction and review of broad research literatures to identify instructional practices that are likely to promote student curiosity, the CiC Framework. The protocol was then developed to establish reliability, and feasibility testing was conducted to show it can be reliably used to code typical instruction.

Jirout, J. (PI). (2017-2019). *Motivating preschool students: Promotion of curiosity, growth mindset, and mastery goal orientation in teacher language in science and math*. Spencer Foundation. (\$49,880)

Role: Principal Investigator

Objective: This project supported the revision and further development of my CiC coding tool to assess curiosity promoting instruction in classrooms. This involved coding curiosity promotion in more than 240 preschool math and science lessons in preschool classrooms from a dataset that included additional measures, such as the CLASS and task orientation. This work provided the foundation for my Templeton-funded grant.

Kranz, S. (2017-2018). University of Virginia, Chancellor's Innovation Fund (CIF) (\$15,000)

Role: I provided consultation on choosing cognitive assessments and on study design, including mentoring the lead RA, training RAs for data collection, and conducting data analysis and dissemination efforts.

Objective: Small pilot study to measure preschooler's hunger and fullness ratings before and after high-fiber meals while they participate at childcare in the Diet and Nutrition (DAN) laboratory.

Grissmer, D. (2013-2019). *Developmental skills linked to math and science achievement: An interdisciplinary data-intensive approach to identification and improvement through experimental intervention*. National Science Foundation. (\$2.5M)

Role: [2017-2018] Contributor, curriculum development lead for coding and motivation.

Objective: The part of this research I was involved with involved pilot testing an intensive intervention model in a summer school program to provide an integrated program of developing foundational skills for children who needed extra academic support.

Jirout, J. (2016). *Curious about curiosity: The influence of young children's achievement motivation on their curiosity*. Faculty Development Endowment Grant, Rhodes College. (\$5,000, Declined when left institution)

Jirout, J. (2010-2011). *Curious about questions: A study of children's curiosity and inquiry*. Research Assistance for Graduate Students Grant, Carnegie Mellon University. (\$4,000). This funding supported the second and third studies of my dissertation.

Jirout, J. (2008-2009). *Children's scientific curiosity: In search of an operational definition of an elusive concept*. Research Assistance for Graduate Students Grant, Carnegie Mellon University. (\$2,000). This funding supported the first study of my dissertation.

Jirout, J. (2004). Psychology Research Initiatives Mentorship Experience, University of Miami. (\$2,000). Funding to conduct semi-independent research over the summer.

Jirout, J. (2003). Psychology Research Initiatives Mentorship Experience, University of Miami. (\$2,000). Funding to conduct semi-independent research over the summer.

SCHOLARSHIP - PUBLICATIONS

*Indicates a trainee co-author at the time article was submitted

REFEREED JOURNAL ARTICLES

*Evans, N., *Burke, R., Vitiello, V., & Zumbunn, S., & **Jirout, J.** (2023). Curiosity in classrooms: An examination of curiosity promotion and suppression in preschool math and science classrooms. *Thinking Skills and Creativity*, 39, 101333.

<https://doi.org/10.1016/j.tsc.2023.101333>

*Evans, N. & **Jirout, J.** (2023). Children's Creativity and Curiosity During Information-Seeking Tasks. *Journal of Creativity*, 3(1), 100038. <https://doi.org/10.1016/j.yjoc.2022.100038>

Jirout, J., Ruzek, E., Vitiello, V., Whittaker, J. V., & Pianta, R. (2023). School enjoyment and the relation to the development of general knowledge. *Child Development*, 94(2), e119-e127. <https://doi.org/10.1111/cdev.13878>

Jirout, J., *Eisen, S., *Sargent, Z., & Evans, T. (2022). Parent-Child Synchrony and Executive Function During Physical and Digital Play. *Trends in Neuroscience and Education*, 29, 100183. <https://doi.org/10.1016/j.tine.2022.100183>

Jirout, J., Zumbunn, S., *Evans, N., & Vitiello, V. (2022). Development and testing of the Curiosity in Classrooms Framework coding protocol. *Frontiers in Psychology*, 13, 875,161. <https://doi.org/10.3389/fpsyg.2022.875161>

Jirout, J., *Little, O. R., & *Carroll, M. (2022). Creating authentic engagement in online study participation for children. *SAGE Research Methods*. <https://doi.org/10.4135/9781529799477>

*Hasan, F., **Jirout, J.**, *Garziona, S., & Kranz, S. (2021). Changes in Learning Outcomes after Dietary Intervention in Preschoolers: A Pilot Study. *Nutrients*, 13(6), 1797. <https://doi.org/10.3390/nu13061797>.

*Eisen, S., *Matthews, S., & **Jirout, J.** (2021). Parents' and Children's Gendered Beliefs About Toys and Screen Media. *Journal of Applied Developmental Psychology*, 74, 101276. <https://doi.org/10.1016/j.appdev.2021.101276>.

Jirout, J. & Klahr, D. (2020) Questions – and some answers – about young children’s question asking. *Journal of Cognition and Development, 20*(5), 729-753.
<https://doi.org/10.1080/15248372.2020.1832492> .

Jirout, J. (2020). Supporting early scientific thinking through curiosity and question asking. *Frontiers in Psychology, 11*, 1717. <https://doi.org/10.3389/fpsyg.2020.01717>.

Ruzek, E., **Jirout, J.**, Schenke, K., Vitiello, V., Whittaker, J. V., & Pianta, R. (2020). Using self-report surveys to measure PreK children’s academic orientations: A psychometric evaluation. *Early Childhood Research Quarterly, 50*, 55-66.
<https://doi.org/10.1016/j.ecresq.2018.10.012>.

Jirout, J., LoCasale-Crouch, J., Turnbull, K., *Gu, Y., *Cubides, M., *Garziona, S., Evans, T., Weltman, A., & Kranz, S. (2019). How Lifestyle Factors Affect Cognitive and Executive Function and the Ability to Learn in Children. *Nutrients, 11*(8), 1952.
<https://doi.org/10.3390/nu11081953>.

Jirout, J., Holmes, C., *Ramsook, K. A., & Newcombe, N. (2018). Scaling up spatial development: A closer look at children’s scaling ability and its relation to number knowledge. *Mind, Brain, and Education, 12*(3), 110-119.
<https://doi.org/10.1111/mbe.12182>.

Jirout, J. & Newcombe, N. (2015). Building blocks for developing spatial skills: Evidence from a large representative U.S. sample. *Psychological Science, 26*(3), 303-310.
<https://doi.org/10.1177/0956797614563338>.

Jirout, J. J., & Newcombe, N. S. (2014). Mazes and Maps: Can Young Children Find Their Way? *Mind, Brain, and Education, 8*(2), 89-96. <https://doi.org/10.1111/mbe.12048>.

Jirout, J. & Klahr, D. (2012). Children’s scientific curiosity: In search of an operational definition of an elusive concept. *Developmental Review, 32* (2), 125-160.
<http://dx.doi.org/10.1016/j.dr.2012.04.002>.

Klahr, D., Zimmerman, C. & **Jirout, J.** (2011). Educational interventions to enhance, enrich, and encourage children’s scientific thinking. *Science, 333* (6045), 971-975.
<http://dx.doi.org/10.1126/science.1204528>.

Greenfield, D. B., **Jirout, J.**, Dominguez, X., Greenberg, A. Maier, M., Fuccillo, J. (2009). Science in the preschool classroom: A programmatic research agenda to improve science readiness. *Early Education and Development, 20*(2), 238-264.
<http://dx.doi.org/10.1080/10409280802595441>.

REFEREED CONFERENCE PROCEEDINGS

Jirout, J. & Evans*, N. (2023). [Exploring to learn: Curiosity, breadth and depth of exploration, and recall in young children](#). *Proceedings of the 45th Annual Conference of the Cognitive Science Society*.

Evans*, N., **Jirout, J.**, Scoville*, J., Wylie, C., & Opila, E. (2023). [Student curiosity in engineering courses and research experiences: "I'm kind of torn between being a decent student and a decent engineer"](#). *Proceedings of the American Society for Engineering Education*. (publication available after July 31, 2023)

*Evans, N., **Jirout, J.**, *Scoville, J., Wylie, C., & Opila, E. (2022). ["Where could this take me and what kind of interesting stuff could I do with that?": The role of curiosity in undergraduate learning](#). *Proceedings of the American Society for Engineering Education*.

Jirout, J. (2011). [Curiosity and the development of question generation skills](#). *Proceedings of the AAAI 2011 Fall Symposium on Question Generation*. Menlo Park, CA: Association for the Advancement of Artificial Intelligence (AAAI) Press.

MANUSCRIPTS UNDER REVIEW

*Hildebrand, L., **Jirout, J.**, Newcombe, N. S., & Gunderson, L. (Under Review). The Development of Gender Stereotypes about Math, Spatial, and Verbal Skills. <https://docs.google.com/document/d/1VNAmbzwpR9LievMdA52QOnigU3VATRTD/edit?usp=sharing&oid=108848529910356266853&rtpof=true&sd=true>

Jirout, J., *Evans, N., & Son, L. (Under Review). Curiosity in children.

CHAPTERS IN REFEREED EDITED VOLUMES

Jirout, J. and *Matthews, S. (2022). [Developing intellectual character: An educational perspective on how uncertainty-driven curiosity can support learning](#). In R. Beghetto and G. Jaegger (Eds.) *Uncertainty: A catalyst for creativity, learning and development*. New York, NY: Springer.

Jirout, J. and Newcombe, N. S. (2018). [Relative magnitude as a key idea in mathematics cognition](#). In K. S. Mix & M. T. Battista (Eds.) *Visualizing Mathematics: The Role of Spatial Reasoning in Mathematical Thought*. New York, NY: Springer.

Jirout, J., Vitiello, V., & Zumbunn, S. (2018). [Curiosity in Schools](#). In G. Gordon (Ed.) *The New Science of Curiosity*. Hauppauge, NY: Nova.

Jirout, J. (2016). [Curiosity](#). In D. Couchenour & J. Chrismen (Eds.) *Encyclopedia of Contemporary Early Childhood Education*. Thousand Oaks, CA: Sage.

Jirout, J. & Pace, A. (2015). [Scientific concepts, development in children](#). In J. D. Wright (Editor) *International Encyclopedia of Social and Behavioral Sciences*, 2nd Edition. Oxford, UK: Elsevier Limited.

Jirout, J. & Zimmerman, C. (2015). [Science process skills in young children](#). In K. Trundle & M. Saçkes (Eds.), *Research in Early Childhood Science Education*. New York, NY: Springer.

Klahr, D., Matlen, B. & **Jirout, J.** (2013). [Children as scientific thinkers](#). In G. Feist & M. Gorman (Eds.), *Handbook of the Psychology of Science*. New York, NY: Springer.

NONACADEMIC PUBLICATIONS

*Evans, N., **Jirout, J.**, Hirsh-Pasek, K. (2023). Commentary: What ChatGPT can't do: Educating for curiosity and creativity. Brookings Institution. <https://www.brookings.edu/articles/what-chatgpt-cant-do-educating-for-curiosity-and-creativity/>

Jirout, J. (2018). Why aren't students curious in the classroom? BOLD Blog. <https://bold.expert/why-arent-students-curious-in-the-classroom/>

Jirout, J. & German, K. (2016). Children's play with 'spatial' toys can prepare them for STEM learning. <https://vadm.org/research-highlight-spatial-play>

MANUSCRIPTS IN PREPARATION (Available upon request)

*Matthews, S. E., **Jirout, J.** Parent-child Shared Reading: Children's Learning of Natural Selection from a Digital Book.

Jirout, J. Curiosity and STEM Education.

SCHOLARSHIP: PRESENTATIONS

*Indicates a co-author who was a trainee at the time the research was initiated.

INVITED SCHOLARLY PRESENTATIONS

Curious about curiosity: Rethinking the priorities of education. (2022, Nov 16). [Keynote]. University of Canberra Education Conference. Online keynote for conference due to location (Canberra, Australia)

Curious about curiosity: Rethinking the priorities of education. (2022, April 29). [Talk]. UVA School of Education and Human Development Lectureship Series, University of Virginia. Charlottesville, VA.

Curious about curiosity: Measuring children's desire to know and the role of curiosity in education. (2021, November 2). [Talk]. UVA Cognitive Psychology Speaker Series, University of Virginia. Charlottesville, VA.

Promoting curiosity to promote learning: A study of curiosity and question-asking. (2021, August 23). [Talk]. EARLI SIG 5 Symposia on Creativity, Flexibility, and Curiosity. European Association for Research in Learning and Instruction. Online due to COVID19.

Curiosity in the Classroom: Promoting Child Curiosity, Exploration, Questions, & Scientific Thinking. (2021). [Presentation]. Learning & the Brain conference on "Schooling the Self: Promoting Self-Esteem, Self-Concepts, Awareness, Compassion, and Curiosity for Achievement and Self-Actualization". Online due to COVID19.

Fostering Curiosity, Wonder, and Creativity for All Students. (2021, May 13). [Lunch panel speaker]. Eighth Annual Innovations in Pedagogy Summit, University of Virginia, Charlottesville, VA.

- Promoting Curiosity in the Classroom to Support Learning.* (2021, March 24). University of Tübingen, LEAD Graduate School & Research Network. Online due to COVID19.
- Supporting learning by supporting inquiry: The role of curiosity in education.* (2020, December 11). [Research presentation]. School of Education and Human Development Faculty Meeting, University of Virginia, Charlottesville, VA.
- Defining and Evidencing Student Curiosity and Creativity virtual symposium member.* (2020, September 29-Oct. 1). [Presentation]. International Baccalaureate Organization, with the Oxford University Centre for Educational Assessment (OUCEA) and the Australian Council for Educational Research (ACER). Online due to COVID19.
- The importance of curiosity in the classroom: Methods of studying curiosity across contexts.* (2020, February 19). [Talk]. UVA Developmental Psychology Proseminar, University of Virginia. Charlottesville, VA.
- Curiosity Questions and Research* (2019). John Templeton Foundation Planning Meeting. Washington, D.C.
- Curiosity in the classroom: Influences on children's response to uncertainty during learning.* (2018). Center for Children Relationships and Culture & Developmental Science Field Committee Co-Sponsored Colloquium Series, University of Maryland, MD.
- The science of learning science: Curiosity and the development of spatial reasoning skills.* (2016). [Research presentation]. Psychology Department's Developmental Lunch Speaker Series, University of Virginia, Charlottesville, VA.
- Curious about curiosity: The influence of young children's achievement motivation on their curiosity.* (2016). [Research presentation]. Faculty Development Endowment Grant, Rhodes College, Memphis, TN.
- Playing IS learning in early childhood: The research on how children learn from play.* (2015). [Workshop]. Tennessee Association for the Education of Young Children, Memphis, TN.

REFEREED NATIONAL/INTERNATIONAL PRESENTATIONS

Under Review and Accepted

- Jirout, J.**, Evans*, N., Vitiello, V., Zumbrunn, S. (2023, August). *The associations between children's trait and state curiosity.* European Association for Research on Learning and Instruction. Thessaloniki, Greece.
- Jirout, J.** & Evans*, N. (2023, July). *Exploring to learn: Curiosity, breadth and depth of exploration, and recall in young children.* Cognitive Science Society. Sydney, Australia (presented remotely).
- Evans*, N., **Jirout, J.**, Scoville*, J., Wylie, C., & Opila, E. (2023, June). *"Student curiosity in engineering courses and research experiences: "I'm kind of torn between being a decent student and a decent engineer"*. [Paper presentation]. ASEE Annual Conference. Baltimore, MD.

- Burke, R., & Jirout, J. (Accepted). *"Preparing Discussion Prompts for Deep Levels of Cognitive Engagement in a Cognitive Psychology Class"* [Poster presentation]. American Psychology Society. Washington, DC.
- Evans*, N., Matthews*, S., & **Jirout, J.** (2023, March). *"Measuring creativity: Assessing self-reported creativity and divergent thinking across school aged children."* [Paper presentation]. SRCD Biennial Meeting. Salt Lake City, UT.
- Evans*, N., Matthews*, S., & **Jirout, J.** (2023, March). *"Investigating students' exploration when encountering differing levels of uncertainty."* [Paper presentation]. SRCD Biennial Meeting. Salt Lake City, UT.
- Jirout, J.** & Evans*, N. (2023, January). *"Associations across intellectual virtues: Curiosity, creativity, open-minded thinking, and academic courage."* [Poster presentation]. BCCCD Annual Conference. Budapest, Hungary (presented remotely).
- Burke*, R. & **Jirout, J.** (2023, January). Poster presentation at the National Institute of Teaching of Psychology annual conference. Clearwater, FL.

2022

- Evans*, N., **Jirout, J.**, Scoville*, J., Wylie, C., & Opila, E. (2022, June). *"Where could this take me and what kind of interesting stuff could I do with that?": The role of curiosity in undergraduate learning.* [Paper presentation]. ASEE Annual Conference, Minneapolis, MN.
- Jirout, J.** & *Burke, R. (2022, May). *SoTL: The influence of discussion prompts and formation students' cognitive engagement.* [Workshop]. Eighth Annual Innovations in Pedagogy Conference, Charlottesville, VA.
- Jirout, J.** & Evans, N. (April, 2022). *Curiosity, Information Seeking, and Academic Courage: What influences the desire to learn in school contexts?* [Paper presentation]. Cognitive Development Society Meeting, Pre-Conference Workshop: Balancing trust and skepticism in the times of fake news: The development of epistemic reasoning and intellectual humility, Madison, WI.
- Jirout, J.** (April, 2022). Play doesn't end in childhood: The role of adults in playful learning. Discussion to be presented at the SRCD Special Topic Meeting, Learning through Play and Imagination, St. Louis, MO.
- *Evans, N., **Jirout, J.**, & Hirsh-Pasek, K. (2022, April). *Developing Comfort with Uncertainty to Support Curiosity and Creativity.* [Paper presentation]. AERA Annual Meeting, San Diego, CA.
- *Eisen, S., Bower, C., **Jirout, J.**, & Hassinger-Das, B. (2022, April). *Parental Perceptions of Informal Learning from Digital Devices and Physical Toys.* [Paper presentation]. SRCD Special Topic Meeting, Learning through Play and Imagination, St. Louis, MO.

2021

- Jirout, J., Zumbunn, S., Vitiello, V. (2021, May).** *Designing for Curiosity: Using Uncertainty and Autonomy Support to Promote Engagement and Learning.* [Workshop]. Eighth Annual Innovations in Pedagogy Conference, Online.
- Jirout, J. (2021, April).** *Parent-Child Interactions During Digital and Physical Playful Learning.* [Discussion]. SRCD Biennial Meeting, Online.
- *Eisen, S., **Jirout, J., Lillard, A. (2021, April).** *Spatial Talk and Question-Asking During Parent-Child Physical and Digital Play.* [Paper presentation]. SRCD Biennial Meeting, Online.
- Jirout, J., Ruzek, E., Vitiello, V., Whittaker, J., & Pianta, R. (2021, April).** *School Enjoyment and its Relation to the Development of General Knowledge.* [Paper presentation]. SRCD Biennial Meeting, Online.
- *Matthews, S., *Eisen, S., & **Jirout, J. (2021, April).** *Ability and preference for toys: Parents' and children's perceptions about play and gender.* [Poster presentation]. SRCD Biennial Meeting, Online.

2016-2020

- *Eisen, S., **Jirout, J., & Lillard, A. (2020, April).** *The Role of Play in Children's Spatial Development.* [Paper]. American Education Research Association, San Francisco, CA. (cancelled due to COVID19)
- *Mathews, S. E., *Eisen, S., & **Jirout, J. (2020, April).** *Ability and preference for toys: Parents' and children's perceptions about play and gender.* [Poster]. American Education Research Association, San Francisco, CA. (cancelled due to COVID19)
- Jirout, J. (2020, April).** *Cognition and Motivation during Childhood.* [Discussion]. American Education Research Association, San Francisco, CA. (cancelled due to COVID19)
- *Eisen, S., **Jirout, J., & Lillard, A. (2019, October).** *Parents' question-asking during children's physical and digital spatial play.* [Poster presentation]. Cognitive Development Society Meeting, Louisville, KY.
- *Medrano, J. & **Jirout, J. (2019, October).** *The role of relative magnitude reasoning in space-math relations.* [Poster presentation]. Cognitive Development Society Meeting, Louisville, KY.
- Jirout, J., Zumbunn, S., & Vitiello, V. (2019, August).** *The importance of curiosity in the classroom: Methods of studying curiosity across contexts.* [Paper presentation]. Eighteenth Biennial EARLI Conference for Research on Learning and Instruction, Aachen, Germany.
- Jirout, J. (2019, July).** *Exploring to learn: Methods of encouraging curiosity in the lab and in the classroom.* [Paper presentation]. Cognitive Science Society Meeting preconference workshop on guided playful learning, Montreal, Canada.
- *Eisen, S., **Jirout, J., & Lillard, A. (2019, May).** *The Role of Parents in Children's Physical and Digital Spatial Play.* [Paper presentation]. International Communication Association Conference, Washington, D.C.

- Jirout, J., Vitiello, V., & Klahr, D.** (2019, March). *Defining curiosity as uncertainty preference: Practical applications for promoting question asking in classrooms.* [Paper presentation]. National Association for Research in Science Teaching Conference, Baltimore, MD.
- Weible, J., Spektor-Levy, O., **Jirout, J., & Landrum, A.** (2019, March). *Defining and Measuring Science Curiosity across Perspectives, Contexts, and Methodologies.* [Symposium]. National Association for Research in Science Teaching Conference, Baltimore, MD.
- Jirout, J.** (2019, March). *The Impact of Curiosity-Promoting Instructions on Children's Question Asking.* [Paper presentation]. SRCD Biennial Meeting, Baltimore, MD.
- Jirout, J. & Vitiello, V.** (2019, March). *Curiosity in the classroom through supportive instruction.* [Paper presentation]. SRCD Biennial Meeting, Baltimore, MD.
- *Hildebrand, L., **Jirout, J., Newcombe, N., & Gunderson, E.** (2019, March). *The Development of Gender Stereotypes about Spatial, Math, and Reading Domains.* [Paper presentation]. SRCD Biennial Meeting, Baltimore, MD.
- *Eisen, S., **Jirout, J., Lillard, A.** (2019, March). *Parent and child spatial language during physical and digital spatial play.* [Poster presentation]. SRCD Biennial Meeting, Baltimore, MD.
- Jirout, J.** (2018, September). *Domain-general skills in education: Psychology, education, and neuroscience perspectives.* [Symposium]. International Mind, Brain, and Education Society meeting, Los Angeles, CA.
- Jirout, J. & Vitiello, V.** (2018, September). *The relation between curiosity-promoting instruction and student experiences.* [Paper presentation]. International Mind, Brain, and Education Society meeting, Los Angeles, CA.
- Jirout, J. & Vitiello, V.** (2018, October). *Curiosity in the classroom: promoting curiosity through classroom instruction that supports positive responses to uncertainty.* [Poster presentation]. SRCD Special Topics Meeting, Philadelphia, PA.
- Ruzek, E., **Jirout, J., Schenke, K., Vitiello, V., Whittaker, J., & Pianta, R.** (2018, October). *PreK Children's Academic Orientations: A New Child Survey Measure.* [Poster presentation]. SRCD Special Topics Meeting, Philadelphia, PA.
- Jirout, J., Vitiello, V., & Zumbunn, S.** (2018, June). *Keeping children curious: A study of curiosity-promoting instructional language.* [Paper presentation]. Jean Piaget Society meeting, Amsterdam, NL.
- *Eisen, S., **Jirout, J. J., & Lillard, A. S.** (2018, May). *The role of play and adult guidance in children's spatial development.* [Paper presentation]. International Max Planck Research School on the Life Course, Berlin, Germany.
- Jirout, J.** (2017, October). *Supporting curiosity in the classroom: Instructional methods that influence curiosity and question asking.* [Paper presentation]. Cognitive Development Society meeting, Portland, OR.
- *Hildebrand, L., **Jirout, J., Newcombe, N. & Gunderson, N.** (2017, October). *The development of gender stereotypes about spatial skills, reading, and general academic ability.* [Paper presentation]. Cognitive Development Society meeting, Portland, OR.

- Jirout, J. & Klahr, D.** (2017, May). *What motivates children's curiosity: Analysis of consistency of exploration and associated factors*. [Poster presentation]. Designing for Curiosity workshop, ACM CHI, Denver CO.
- *Newman, S., *Mathis, A., *O'Brien, S. & **Jirout, J.** (2017, March). *Talking about art in an art museum: Conversation enriches children's experience*. [Poster presentation]. Society for Research in Child Development Conference, Philadelphia, PA.
- Jirout, J.** (2016, June). *The influence of map similarity on spatial-relational reasoning in a spatial scaling task*. [Paper presentation]. Understanding mechanisms supporting spatial cognition early in development symposium, Forty-Sixth annual Jean Piaget Society meeting, Chicago, IL.

Prior to 2016

- Jirout, J.** (2015, October). *Scaling up spatial development: A study of strategy use in a spatial scaling task*. [Invited talk], "Emerging Scholars in Spatial Development" symposium, preconference workshop on The Development of Spatial Thinking at the Cognitive Development Society meeting, Columbus, OH.
- Jirout, J.** (2015, October). *"I try to learn as much as I can" vs. "I try to get the best grade I can": A study of children's ideas about learning and school*. [Poster presentation]. Cognitive Development Society meeting, Columbus, OH.
- Jirout, J.** (2015, June). *What is curiosity (and how to assess it)*. [Paper presentation]. Digital Assessment and Promotion of Children's Curiosity workshop, ACM SIGCHI Interaction Design and Children Conference, Boston, MA.
- Gordon, G., **Jirout, J.**, Engel, S. & Chang, A. (2015, June). *Digital Assessment and Promotion of Children's Curiosity*. [Workshop]. ACM SIGCHI Interaction Design and Children Conference, Boston, MA.
- Jirout, J.**, *Holmes, C., *Ramsook, K. A., & Newcombe, N. (2015, March). *Scaling up Spatial Development: A Closer Look at Children's Scaling Ability and Number Knowledge*. [Poster presentation]. Society for Research in Child Development Conference, Philadelphia, PA.
- Gunderson, E. & **Jirout, J.**, & Newcombe, N. S. (2015, March). *Improving Spatial Scaling in Preschool: Effects of Training and Prior Skill*. [Symposium]. Society for Research in Child Development Conference, Philadelphia, PA.
- Jirout, J. & Newcombe, N.** (2014, November). *Building blocks for developing spatial skills: Evidence from a large representative U.S. sample*. [Poster presentation]. International Mind, Brain, and Education Society Conference, Fort Worth, TX.
- Jirout, J. & Newcombe, N.** (2014, March). *Learning from play: Impact of spatial game play on spatial ability*. [Poster presentation]. Seventh Annual Inter-Science of Learning Centers Conference, Pittsburgh, PA.
- Jirout, J.** (2013, October). *Examining consistency of young children's exploratory behavior*. [Poster presentation]. Cognitive Development Society conference, Memphis, TN.
- Jirout, J. & Newcombe, N.** (2013, October). *Mapping the role of representations in spatial game play*. [Poster presentation]. Cognitive Development Society conference, Memphis, TN.

- Jirout, J. & Newcombe, N. (2013, April).** *Mazes and maps: Can young children find their way?* [Poster presentation]. Society for Research in Child Development conference, Seattle, WA.
- Jirout, J. & Klahr, D. (2013, April).** *Do curious students ask better questions?* [Paper presentation]. Society for Research in Child Development conference, Seattle, WA.
- Jirout, J. & Newcombe, N. (2013, February).** *The relationship between children's spatial ability and spatial game play.* [Poster presentation]. Sixth Annual Inter-Science of Learning Centers Conference, Philadelphia, PA.
- Jirout, J., Scipio, D., Rau, M., & Van Horne, K. (2013, February).** *Research-Practitioner Collaborations.* [Workshop]. Sixth Annual Inter-Science of Learning Centers Conference, Philadelphia, PA.
- Jirout, J. & Newcombe, N. (2012, April).** *It's all relative: Focusing on relational structure to improve young children's scaling.* [Poster presentation]. Fifth Annual Inter-Science of Learning Centers Conference, San Diego, CA.
- Jirout, J. & Klahr, D. (2011, November).** *Curiosity and the development of question generation skills.* [Paper presentation]. QG2011 AAI Fall Symposium, Arlington, VA.
- Jirout, J. & Klahr, D. (2011, September).** *Children's question asking and curiosity: A training study.* [Paper presentation]. Society for Research in Educational Effectiveness conference, Washington, DC.
- Jirout, J. & Klahr, D. (2011, April).** *Young children's curiosity and question asking skills: Are they related?* [Poster presentation]. National Association of Lab Schools conference, Pittsburgh, PA.
- Jirout, J. & Klahr, D. (2011, March 31-April 2).** *Early science instruction: What is important?* [Poster presentation]. Society for Research in Child Development conference, Quebec, Canada.
- Jirout, J., & Klahr, D. (2010, June).** *Assessing and validating measures of curiosity in preschool children.* [Poster presentation]. Institute of Education Sciences 2010 Research Conference, Washington, D.C.
- Jirout, J., Lauwers, T. (2009, June).** *Fun game or educational software: Does it matter?* [Poster presentation]. Institute of Education Sciences 2009 Research Conference, Washington, D.C.
- Jirout, J. & Klahr, D. (2009, April).** *Children's recognition of uncertainty and exploratory curiosity.* [Paper presentation]. Society for Research in Child Development conference, Denver, CO.
- Jirout, J. (2008, June).** *Children's exploration: Does uncertainty matter?* [Poster presentation]. Institute of Education Sciences 2008 Research Conference, Washington, D.C.
- Jirout, J. (2008, February).** *Children's exploration: Does uncertainty outweigh novelty?* [Poster presentation]. First Annual Inter-Science of Learning Centers Conference, Pittsburgh, PA.

- Jirout, J. & Klahr, D. (2007, June).** *Why do young children explore? Uncertainty reduction and scientific curiosity in young children.* [Poster presentation]. Institute of Education Sciences 2007 Research Conference, Washington, D.C.
- Jirout, J. & Klahr, D. (2007, April).** *Why do children explore? Investigating the effect of ambiguity on children's scientific curiosity.* [Paper presentation]. American Educational Research Association Conference, Chicago.
- Jirout, J. & Greenfield, D. (2006, June).** *Developing school readiness through science.* [Poster presentation]. Proceedings of Head Start's Eight National Research Conference, Washington D.C.
- Greenfield, D.B., George, J., Iruka, I., Munis, P., **Jirout, J.**, Charak, D. (2004, June). *Development and validation of a direct assessment of the school readiness domain, Approaches to Learning.* [Poster presentation]. Head Start's Seventh National Research Conference, Washington, D.C.

REGIONAL/STATE/LOCAL PEER-REVIEWED PRESENTATIONS/WORKSHOPS

- Hildebrand*, L., **Jirout, J.** & Newcombe, N. (2015, March). *The development of spatial ability stereotype in young children.* [Poster presentation]. Eastern Psychological Association Conference, Philadelphia, PA.
- Jirout, J.** (2008, April). *Children's exploration: Does uncertainty matter?* [Poster presentation]. First Annual CMU Innovation for Impact session, Pittsburgh, PA.
- Jirout, J.**, Greenfield, D. B., Munis, P., Iruka, I., George, J. (2004, April). *School Readiness Domains: The relationship between approaches to learning and language development.* [Presentation]. Research and Creativity Forum, Miami, FL.
- Jirout, J.**, Greenfield, D. B., Munis, P., Iruka, I., George, J. (2003, November). *School readiness domains: The relationship between approaches to learning and language development.* [Presentation]. University of Miami Undergraduate Research Conference, Miami, FL.

PRACTITIONER-FOCUSED PRESENTATIONS

- Cultivating Curiosity in Montessori Classrooms.* Workshop given at the VA Montessori Annual Conference. (November, 2022)
- Promoting Curiosity in the Classroom to Support Learning.* Workshop given at the Virginia Head Start Annual Training Conference. (October, 2022)
- Curiosity at Staunton – "the hunger to explore, the spark of wanting to meet the world": Early information about the Curiosity in Classrooms project data – 2022.* Presentation provided for partner school. (October, 2022)
- Promoting curiosity at Sabot . . . "it's the magic!": Early information about the Curiosity in Classrooms project data – 2022.* Presentation provided for partner school. (September, 2022)

Teaching for curiosity: What the research says about using uncertainty and autonomy support to promote students' engagement and learning. Symposium Workshop given at the Sabot Stonypoint Annual Symposium. (2022)

Curiosity in the Classroom: Promoting Child Curiosity, Exploration, Questions, & Scientific Thinking. Session provided at the Learning & the Brain conference on "Schooling the Self: Promoting Self-Esteem, Self-Concepts, Awareness, Compassion, and Curiosity for Achievement and Self-Actualization". New York City, NY.

SCHOLARSHIP: OTHER SCHOLARLY ACTIVITIES

PUBLISHED RESEARCH MATERIALS

Jirout, J. (2021). Curiosity in Classrooms (CiC) Coding Protocol. *Databrary*. Retrieved [date] from <http://doi.org/10.17910/b7.1377>

Ruzek, E., Jirout, J., Schenke, K., Vitiello, V., Whittaker, J. V., & Pianta, R. (2020). Children's Academic Orientation Scale. *Databrary*. Retrieved [date] from <http://doi.org/10.17910/b7.1070>.

Jirout, J. (2020). Curiosity and Character Development Measures. *Databrary*. Retrieved [date] from <http://doi.org/10.17910/b7.1153>.

Jirout, J. (2018). Jirout Lab Measures. *Databrary*. Retrieved [date] from <http://doi.org/10.17910/B7.711>.

SOLICITED REPORTS

Comissar, L., Jirout, J., Tejpar, S., & Valenzia, N. (2021). Learning From Research-Practice Partnerships (RPPs): Criteria for and examples of effective RPPs, and the lessons they hold for Funders, Facilitators, and Brokers. Report created for the Jacobs Foundation Learning Schools Portfolio. *Authorship in alphabetical order.*

OBJECTIVE: Prepared a report on RPPs for the Jacobs Foundation involving interviewing researchers, funders, and other brokers and stakeholders from around the world (e.g., OECD) to identify ways that RPP work can be supported and considerations for future funding efforts by the foundation.

ROLE: My role was as the "Researcher"/research fellow and U.S. representative. Other team members included Sehr Tejpar (Switzerland) who was the social entrepreneur member and had experience with RPPs in the global south, Lia Commissar (U.K.) who was the educator representative and experienced in RPPs in Europe, and Nick Valenzia (Portugal) who was the Jacobs LEAP project lead.

SELECTED MEDIA HIGHLIGHTS OF SCHOLARSHIP

Safe To Wonder [Audio podcast episode]. In *With Good Reason*. A program of Virginia Humanities. 2023. <https://www.withgoodreasonradio.org/episode/open-book/>

Legitimizing Online Learning [Audio podcast episode]. In *Design for Online*. UVA SEHD. 2021.

<https://podcasts.apple.com/ee/podcast/legitimizing-online-learning/id1551818747?i=1000507446922>

Science Thinking, Uncertainty, & Kids, with Jamie Jirout. [Audio podcast episode]. In *Choose to be Curious*. WERA-FM. 2021.

<https://lynnborton.com/2021/04/28/science-thinking-uncertainty-kids-with-jamie-jirout/>.

The Dos and Don't's of 'Quarantine Pods'. NY TIMES. 2020.

<https://www.nytimes.com/2020/06/09/parenting/coronavirus-pod-family.html>

Why aren't students curious in the classroom? Blog on Learning & Development. 2018.

<https://bold.expert/why-arent-students-curious-in-the-classroom/>

Piqued: The case for curiosity. The Hetchinger Report. 2018.

<https://hechingerreport.org/piqued-the-case-for-curiosity/>

How today's toys may be harming your daughter. National Geographic. 2017.

<https://www.nationalgeographic.com.au/people/how-todays-toys-may-be-harming-your-daughter.aspx>.

Playing with puzzles, blocks may build children's spatial skills. ScienceDaily. 2015.

www.sciencedaily.com/releases/2015/01/150128131323.htm.

TEACHING & MENTORING

UNIVERSITY OF VIRGINIA

Regularly listed research and independent-study courses:

1. Directed Research (independent study; EDLF 4995, 5993; PSYC 3590): Undergraduate research experience taught every spring and fall semester, enrollment of 1-4 undergraduate students who work in my lab for credit before taking on paid RAship
2. Masters Research Internship (EDLF 8998): Masters-level research experience offered every spring and fall semester, enrollment of 1-4 MEd students who work in my lab for two-semester program requirement
3. Doctoral Research Apprenticeship / Doctoral Dissertation (EDLF 9998, 9999): PhD-level research internship offered every spring and fall semester; enrollment of 1-2 PhD students for whom I serve as primary mentor)

Instructor of Record. Into to Child Growth & Development (EDLF 3150). University of Virginia. S2023; F2022; S2022; F2021; S2021; F2020; F2018; F2017; F2016.

Instructor of Record. Cognitive Psychology & Education (EDLF 5260). University of Virginia. F2023; S2022; S2021; S2020; F2018; S2018; S2017 (taught as 5500).

Instructor of Record. Educational Psychology (EDLF 3160). University of Virginia. F2020.

OTHER INSTITUTIONS

Instructor of Record. Advanced Research Methods. Rhodes College. S2016.

Instructor of Record. Educational Psychology. Rhodes College. S2016; F2014.

Instructor of Record. Learning and Motivation. Rhodes College. F2015; F2014.

Instructor of Record. Infant and Child Development. Rhodes College. F2015 (two sections); S2015;

Instructor of Record. Psychological Science. Rhodes College. S2015.

Co-Instructor. Knowing and Learning in Math and Science. Temple University. Fall, 2013

Teaching Assistant. Principles of Child Development. Carnegie Mellon University. Spring 2008

Teaching Assistant. Cognitive Psychology. Carnegie Mellon University. Spring, 2007

Teaching Assistant. Research Methods in Developmental Psychology. Carnegie Mellon University. Fall, 2007

DOCTORAL DISSERTATION COMMITTEES

Chaired:

- 2025 Ryan Burke, Education, University of Virginia
- 2022 Shoronda Matthews, Education, University of Virginia, Successful defense 6/24/22
- 2020 Serra Eisen, Psychology, University of Virginia (co-chair)

Member:

- 2024 Zoë Robertson, Psychology, University of Virginia
- 2024 Lee Leboeuf, Psychology, University of Virginia
- 2023 Aditya Singh, Cognitive Science, Indian Institute of Technology Gandhinagar
- 2023 Hannah Puttre, Applied Human Development, Boston University
- 2023 Christina Carroll, Psychology, University of Virginia
- 2021 Natale Evans, Psychology, Temple University
- 2019 Marianna Lamnina, Education, Columbia University
- 2018 Marissa Drell, Psychology, University of Virginia

RESEARCH TRAINEES

Postdoctoral

2021 – Current Natalie Evans

PhD

2023 – Current Natalie Hutchins, primary advisor
 2021 – Current Ryan Burke, primary advisor
 2018 – 2022 Shoronda Matthews, primary advisor
 2017 – 2020 Sierra Eisen, co-advisor, VEST mentor

MEd

2023 – 2024 Kate Thomas, Abby Krissingner
 2022 – 2023 Sarah Payne; Shihan Wang

2021 – 2022	Jessica Scoville; Yiwei Li
2020 – 2021	Anna (MWatanna) Kalesia Barnett-Jefferson; Sophie (Huiling) Yan; Malina Carroll
2019 – 2020	Nadine Rozell; Rachel Siefring
2018 – 2019	Emily Maxfield; Josh Medrano
2017 – 2018	Tessa Boutwell; Karime Cameron; Tiffany Leones

Honors Undergraduate Mentor or Supervised Student Grant Research Project

2022-2023	Jason Sitt
2013-2015	Lindsay Hildebrand

Other Research Assistants

University of Virginia: >40 since 2016, including credit and paid RAs, most involved for 1 year or more. Most were UVA students, some were visiting UVA for summer research experience. Names: Mary Grace Britton; Savannah Sunvold; Kayleigh Warburton; Jinhee Lee; Breyana Mason; Kyndia Riley; Mckenzie Canard; Kelsi Jensen; Jay Huff; Megumi Ritchie; Gracie Tillman; Carline Crossman; Jasmeen Dhillon; Jamila Salim; Miles Arrington; Maxime Perre-Louis; Juhi Nash; Iris Sanchez; Khin Kyaw; Michelle Miller; Tara Srivastava; Cait Goldie Hagan; Keara Meyerson; Claire Watson; Jamie Kang; Olivia Little; Sabrina Shisbey; Christian Rivera; Marlow McMullan; Sarah Mackey; Brianna Corrielus; Emma DeMartino; Tiffany Malley; Natalie Burke*, Jason Sitt*, Marian Herbosa*, Matthew Hunter*, Sydney Klau*, Caleb Soong*, Juliette Amorosi*, Jason Sitt*
(* indicates current students)

Rhodes College: Fifteen total between 2014-2016

Temple University: Seven total between 2012-2014

Carnegie Mellon University: Two from 2010-2011

PROFESSIONAL SERVICE

MEMBERSHIPS AND SERVICE IN PROFESSIONAL ORGANIZATIONS

Society for Research in Child Development

2012-Current: Review biannually for conference

2012-Current: Review often for journal (Child Development)

2021 – 2025 Member, Teaching Committee. As a member of the SRCD teaching committee, I attend regular meetings online and at the conference to plan professional development activities around teaching child development and increasing effective use of SRCD Commons, including serving on a subcommittee for professional development workshops around DEI, and planning the biannual Teaching Institute.

2021 Town Hall discussion facilitator

2018 Chair, Invited Address: Time Bomb: How the Western Conceptualization

- of Intelligence is Taking Down Humanity
 2017 Early Career Panelist, Work-Life Balance
 2017 Chair, Invited Address: Characterizing Large-Scale Brain Networks in Child with Autism and ADHD

Cognitive Development Society

- 2015 – Current Review biannually for conference
 2013 – Current Regular ad-hoc reviewer for journal (Journal of Cognition and Development)
 2022 Invited to lead a table at the “Burning Questions for the Professoriate Luncheon” for the 2022 conference meeting

American Education Research Association

- 2018 – Current Semi-regular reviewer for annual conference and journal
 2017 AERA Session chair: “Engaging Youth Through STEAM Projects”
 2014 Chaired two sessions, asked to be discussant for one session

International Mind, Brain, and Education Society

- Regular ad-hoc reviewer for society journal (Mind, Brain, and Education)

European Association for Research in Learning and Instruction

- 2019 Conference submissions reviewer
 Occasional reviewer for journal, Learning and Instruction

SERVICE ORIENTED PRESENTATIONS

- Symposium Workshop: Teaching for curiosity: What the research says about using uncertainty and autonomy support to promote students’ engagement and learning. Sabot Stonypoint Annual Symposium. (2022)
- Preparing Future Faculty panel for the Faculty Life at a Research-Intensive Institution. Virginia Commonwealth University. (2021)
- Preparing Future Faculty panel for the Faculty Life at a Research-Intensive Institution. Virginia Commonwealth University. (2018)
- Development of Reading: Inservice training/Professional development workshop. Lamplighter Montessori, Memphis, TN. (2015)
- Research talk to the Early Success Coalition, Memphis, TN. (2015)
- Spatial thinking in STEM education. Workshop presented as part of the Philadelphia Science Festival, Philadelphia, PA. (2014)
- Brain Café: community talk about brain development and spatial learning. Smith Playground. Presented as part of the Philadelphia Science Festival, Philadelphia, PA. (2014)
- Philadelphia, PA
- Research presentation with Q&A, The Miquon School, Philadelphia, PA. (2014)
- Information session, “Mess Fest” booth, Please Touch Museum, Philadelphia, PA. (2013)

Information session, “Discovery Days” booth, Smith Playground, Philadelphia, PA. (2013)

Information session, Moms of Multiples group, Bucks County, PA. (2012)

Research presentation with Q&A, Propel Charter School, Pittsburgh, PA. (2011)

FACULTY SERVICE

Service to Ed Psych – Applied Developmental Science Program

DEI Program Review Committee: Beginning in 2021, I have worked on advancing program review work to address student feedback and issues identified related to strengthening our DEI focus across our program courses. This included securing funds from the Office of Diversity, Equity, and Inclusion to begin conducting our review in Spring, 2022. An unfunded proposal was prepared and submitted to scale up this work and develop a model for our department and other departments, which we will continue seeking support to conduct. (2021-current)

Master’s Program Transition Committee: Our program transitioned from a fall, spring, summer MEd program to a summer, fall, spring program. I served on the committee to transition our program to accommodate this schedule, as well as individually handling the comprehensive exams for all MEd students in the summer of 2019 when the prior and new cohorts overlapped for the summer. This included coordinating with students and their mentors to schedule all exams, working with the mentor to write each students’ question, reading and evaluating all exams and revisions, combining all feedback and rubrics for exams to communicate the results with each student, and handling all of the record keeping during this process. (2018-2019)

Doctoral Program Review Committee: I serve on a small committee to review PhD program applicants annually with two to three other tenure-track program faculty. This included developing and revising a rubric with intentional focus on promoting equity and reducing bias in our review process, which were informed by workshops attended on these issues. (2016-current)

Masters Program Review Committee: I serve on a small committee to review MEd program applicants annually with our MEd program coordinator and one or two other program faculty. This included developing and revising a rubric with intentional focus on promoting equity and reducing bias in our review process, which were informed by workshops attended on these issues. (2016-current)

Program Marketing and Recruitment: Each year I update our program recruitment materials and coordinate recruitment efforts for our doctoral program. This included attending training on broadening recruitment to underrepresented groups and annual reflection on how to better support equity in the recruitment process. (2017-current)

Masters Student Secondary Advisor: Each year I serve as the research mentor and secondary advisor for 2-4 MEd students, which involves giving them 200 hours of research apprenticeship as well as mentoring around course choice and support in seeking out

and applying to graduate school or employment opportunities. This also involves serving as a comprehensive exam grader, including drafting the exam question. Typically, I serve as an informal advisor for additional students, and serve as a grader for additional comprehensive exams for one or more students on our professional track.

Regular volunteer: I regularly volunteer and engage in tasks needed for my program, such as reviewing and revising program materials (e.g., handbooks and rubrics)

Service to the department, UVA School of Education and Human Development (EHD)

- 2023-2024 UVA Faculty Senate EHD Representative, Diversity, Equity, & Inclusion Committee
- 2023 Review Committee: Office of Diversity, Equity and Inclusion (ODEI) Small-Grant Proposals
- 2022-2023 UVA Faculty Senate EHD Representative, Research, Teaching and Service Committee
- 2022-2023 Chair, Diversity Action Committee (DAC), UVA School of Education and Human Development
- 2021-Current Member, UVA School of Education and Human Development Awards Committee
- 2022-Current Youth and Social Innovations Undergraduate Student Advisor
- 2022 Search Committee Member, Director of the EHD Office of Diversity, Equity, and Inclusion
- 2022 Review Committee: Office of Diversity, Equity and Inclusion (ODEI) Small-Grant Proposals
- 2022 Reviewer: SEEDS4Change Travel Scholarship Applications
- 2021-2022 Vice-Chair (chair-elect), Diversity Action Committee (DAC), UVA School of Education and Human Development
- 2021 EDLF Department Faculty Review Committee member
- 2021 Served on EDLF department committee to revise manual around student co-authoring guidelines
- 2020-2021 CASTL Equity discussion group: met weekly to discuss ways to intentionally focus our research programs on issues of equity in education
- 2019 Mentor, Student Undergraduate Research Program (SURP)
- 2018 Mentor, Student Undergraduate Research Program (SURP)
- 2018 School-wide committee to discuss timeline for application deadlines and reviews across programs and departments to have more alignment across the school
- 2018 Department and program informal reporting after attending diversity-targeted recruitment and holistic review workshops with suggestions to change current practices to promote diversity and equity with more holistic application review
- 2017 Hiring committee member, Curry SIF hire
- 2017 Advisor, supported proposal development and submission and advised on new innovation spaces and a design studio in Ridley Hall (formerly

Ruffner)

- 2016 - 2019 Coordinator, Research-Practitioner Practice Experience (RPE) program. This included developing materials and requirements for student RPE projects, including proposals, monitoring documents, and reflection/report. It also included supporting students in developing and conducting their projects, such as planning for and attending meetings with state departments of education and securing data access agreements and IRB approvals.

Service to University of Virginia

- 2021 – 2022 UVA-QEP Initiative: I redesigned my EDLF 3150 course to be included in a SACS required Quality Enhancement Plan evaluation around enhancing writing instruction as part of a Writing Across the Curriculum program. My students' work will be assessed to evaluate the initiative, and I will serve as an assessor for all student work across courses included in this evaluation (one per UVA school)
- 2021 Panel member, Provost's office information session about the National Center for Development & Diversity FSP program
- 2021 Reader, Psychology Distinguished Majors Program – Rachel Lerner
- 2018 – 2022 Helped facilitate a university-wide academic writing group as weekly host
- 2018 Reviewer, UVA Elizabeth Munsterberg Koppitz Fellowship committee
- 2017 Reviewer, UVA Elizabeth Munsterberg Koppitz Fellowship committee
- 2017 – 2018 Mentor, Undergraduate Student Opportunities in Academic Research (USOAR) Program

SERVICE TO ORGANIZATIONS

Journal Ad-hoc reviewer, since 2016 (ordered by frequency of reviews): Child Development, Journal of Cognition and Development, Developmental Psychology, Learning and Individual Differences, PLOS One, Cognitive Science, Journal of Applied Development Psychology, Cognitive Development, Educational Psychology Review, Developmental Review, Journal of Adolescence, Frontiers in Psychology, British Journal of Psychology, Science Education, Sex Roles, Journal of Educational Psychology, Learning & Instruction, Instructional Science, Learning and Instruction, Mind, Brain, & Education

Conference reviewer: regularly review (including supervising trainee reviewing) for: Society for Research in Child Development, Cognitive Development Society, American Education Research Association (biannually)

- 2023 Ad-Hoc Grant Reviewer, Tryg Foundation
- 2022 National Science Foundation CAREER proposal ad-hoc reviewer
- 2022 National Science Foundation EHR - ECR Review Panel
- 2022 National Science Foundation GRFP Review Panel
- 2022 Ad-Hoc Grant Reviewer, Templeton Foundation
- 2022 Ad-Hoc Grant Reviewer, Israel Science Foundation, Social Sciences
- 2022 HundrED Organization: Advisory board, reviewer for "Spotlight on Formative

- Assessment: Improving Learning for Every Child” program to identify 10-15 global impactful and scalable education innovations
- 2021 Editorial board, Developmental Psychology (Consulting Editor)
 - 2021 National Science Foundation GRFP Review Panel
 - 2020 National Science Foundation GRFP Review Panel
 - 2020 Ad-Hoc Grant Reviewer, Social Sciences and Humanities Research Council of Canada
 - 2020 Ad-Hoc Grant Reviewer, John Templeton Foundation
 - 2019 National Science Foundation FTW Review Panel
 - 2019 Guest editor: Sage Open
 - 2019 Reviewer for the European Association for Research on Learning and Instruction conference
 - 2018 Program committee member, Curiosity in Games workshop, Foundations of Digital Games Conference, curious-games.org
 - 2015 Workshop organizer, ACM SIGCHI Interaction Design and Children Conference
 - 2013 Workshop organizer: “Research-Practitioner Collaborations”, Inter-Science of Learning Centers conference
 - 2008 Volunteer, Inter-Science of Learning Centers Conference
 - 2006 Coordinator, Program for Interdisciplinary Education Research EdBag speaker series
 - 2005 Representative, Graduate Student Assembly, Social committee, Carnegie Mellon

OTHER COMMUNITY-RELATED SERVICE

- 2020 Consultant; Virginia Discover Museum
- 2019 Advisory board, Wolf Trap Institute for Early Learning
- 2018 As part of a community-engaged research project, I worked with teachers at a local school to provide summer enrichment support for at-risk 2nd graders
- 2017 - 2018 Tri-chair, Parent Academic Committee, Greenbrier Elementary School
- 2017 Weekly Coding Club for 1st grade students using Scratch, Charlottesville VA
- 2017 Spatial Play blog post for the Children’s Discovery Museum, Charlottesville, VA
- 2016 - 2020 Spatial Play groups (weekly) at the Children’s Discovery Museum, Charlottesville, VA (stopped due to COVID19)
- 2013 - 2014 Volunteer: Philadelphia Science Festival, Discovery Days
- 2007-2008 Member, Curriculum development committee, Pittsburgh Science and Technology Academy
- 2007-2008 Member, Steering committee, Pittsburgh Science and Technology Academy

CONSULTATIONS

Digital Promise. Provided consultation on the Learner Variability Project to identify applications of research on children’s curiosity and creativity. (2022-2023)

Jacobs Foundation. Part of a team to create a report on Researcher-Practitioner Partnerships. This work involved planning and conducting a series of interviews with RPP stakeholders and researchers from around the world. From what we learned in the interview, we wrote a report for the Jacobs Foundation and for funders, facilitators, and brokers of RPPs. (2021)

WestEd. Provided expertise on early science education alignment across state standards and curricular materials with a newly developed developmental observational tool. (2017)

IB, Oxford University Centre for Education Assessment, ACER, Jacobs Foundation. Consulted with 39 other experts in a multi-day virtual symposium, “Defining and Evidencing Student Curiosity and Creativity”.

HONORS AND AWARDS

2021-2023 Jacobs Foundation Research Fellow (With set monetary award of CHF 165’000)

2020-2021 Science of Teaching and Learning Scholar, Center for Teaching Excellence, UVA

2019 Lasting Legacy honoree, Curry Education Council, UVA School of Education and Human Development

2017 IGNITE Scholar, Center for Teaching Excellence, UVA

2016 Mellon Innovation Fellowship, Rhodes College. *Declined; left institution*. (With monetary award of \$7,500)

2015 Faculty Development Endowment Award, Rhodes College. (\$5,000)

2005-2011 Recipient, Institute of Education Sciences Predoctoral Training Fellowship

2003, 2004 Recipient, University of Miami, Psychology Research Initiatives Mentorship Experience (\$2,000 each)