

BENJAMIN KATZ

Email: katzben@vt.edu
Updated 2/26/2023

295 West Campus Drive
Blacksburg, VA 24061

EDUCATION & EMPLOYMENT HISTORY

Associate Professor 2023 - present
Department of Human Development and Family Science
Virginia Tech, Blacksburg, VA

Faculty Affiliate 2022 - present
Department of Psychology
Virginia Tech, Blacksburg, VA

Faculty Affiliate 2021 - present
School of Neuroscience
Virginia Tech, Blacksburg, VA

Faculty Affiliate 2018 - present
Translational Biology, Medicine, and Health
Virginia Tech, Blacksburg, VA

Faculty Affiliate 2017 - present
Center for Gerontology
Virginia Tech, Blacksburg, VA

Assistant Professor 2017 - 2023
Department of Human Development and Family Science
Virginia Tech, Blacksburg, VA

PhD, Combined Program in Education and Psychology 2017
Co-Advisors: Priti Shah & John Jonides
University of Michigan, Ann Arbor, MI

Master of Science, Psychology 2015
University of Michigan, Ann Arbor, MI

Game Designer 2009-2012
Lumos Labs, Inc., San Francisco, CA

Lead Game Designer 2006-2009
Enspire Learning, Inc., Austin, TX

Bachelor of Arts, Psychology and Film Studies 2006
Columbia College, Columbia University, New York, NY

EXTRAMURAL FUNDING

Current:

Title: Water intake and weight control in older adults 03/2023 – 02/2028

Source: NIH/NIDDK Mechanism: R01

Award Amount (Direct Costs): \$2,418,555

Role: co-I (PI: Davy)

Title: Losing Specificity: the role of the locus coeruleus in age-related distractibility

Source: NIH/NIA Mechanism: R01 10/2022 – 09/2027

Award Amount (Direct Costs): \$2,489,080

Role: MPI (MPIs: Katz, Kim, Lee)

Title: Influence of ultra-processed foods on reward processing and energy intake

Source: NIH/NICHD Mechanism: R21 08/2022 – 07/2024

Award Amount (Direct Costs): \$275,000

Role: co-I (MPIs: Davy, DiFeliceantonio)

Title: Spark Math

Source: EF + Math Program (Advanced Education R&D Fund) 08/2020 – 07/2023

Award Amount (Direct Costs): \$2,700,000

Role: co-PI (PIs: Marks, Milne)

INTRAMURAL FUNDING

Current:

Title: Virginia Tech Public Interest Technology (VT-PIT)

Source: Destination Areas 2.0 Planning & Development Grant 12/2022 – 05/2023

Award Amount: \$50,000

Role: co-PI (PI: Misra)

Title: Failing to ignore: the role of the locus coeruleus in age-related distractibility

Source: College of Science Lay Nam Chang Dean's Discovery Fund 07/2022 – 06/2023

Award Amount: \$20,000

Role: co-I (PI: Lee)

Completed

Title: Mobile learning across the life span: processing and learning information from mobile media technology in children, young adults, and older adults

Source: Institute for Creativity, Arts, and Technology 07/2019 – 05/2021

Award Amount: \$25,000

Role: co-PI (PI: Choi)

Title: The effect of HD-tDCS stimulation over the temporoparietal junction on social and economic cognition in older adults

Source: Institute for Society, Culture and Environment 07/2019 – 06/2020

Award Amount: \$29,832

Role: co-I (PI: Smith)

Title: The efficacy of ketone supplementation in improving vascular and cognitive functioning in middle-aged adults

Source: Institute for Society, Culture and Environment 07/2019 – 06/2020

Award Amount: \$30,000

Role: co-I (PI: K. Davy)

Title: Premeal water consumption as a strategy for obesity treatment

Source: Institute for Society, Culture and Environment 07/2018 – 06/2019

Award Amount: \$27,498

Role: co-I (PI: B. Davy)

Title: The utility of tDCS to modulate risky decision making

Source: Adaptive Brain & Behavior Destination Area 02/2018 – 08/2018

Award Amount: \$10,000

Role: PI

Title: Free to play games and cognition among adults

Source: College of Liberal Arts and Human Sciences Niles Grant 11/2017 – 05/2018

Award Amount: \$3,737

Role: PI

PEER-REVIEWED ARTICLES

(Current or former student co-authors are underlined)

34. Mansoor, M., **Katz, B.** (2023). Differential effects of ADHD polygenic risk on cognitive performance in later life. *Journal of Attention Disorders*, 27(11).

<https://doi.org/10.1177/10870547231172768>

33. Zengilowski, A., Maqbool, I., Deka, S., Niebaum, J., Placido, J., **Katz, B.**, Shah, P., Munakata, Y. (2023). Overemphasizing individual differences and overlooking systemic factors reinforces educational inequality. *NPJ Science of Learning*, 8(1).

<https://doi.org/10.1038/s41539-023-00164-z>

32. Ball, S., **Katz, B.**, Li, F., Smith, S. (2023). The effect of cognitive load on economic decision-making: A replication attempt. *Journal of Economic Behavior & Organization*, 210, 226-242. <https://doi.org/10.1016/j.jebo.2023.03.018>

31. Du, C., Li, M., **Katz, B.**, Dong, X. (2022). Source of perceived social support and cognitive change: An 8-year prospective cohort study. *Aging & Mental Health*. Advance online publication. <https://doi.org/10.1080/13607863.2022.2126433>

30. Turner, S., Jarrett, S., **Katz, B.** (2022). Intergenerational programming increases solid food consumption for adult day center attendees. *Journal of Applied Gerontology*, 42(2), 160-169. <https://doi.org/10.1177/07334648221134179>

29. Devine, D., Ogletree, A. M., Shah, P., & **Katz, B.** (2022). Internet addiction, cognitive, and dispositional factors among US adults. *Computers in Human Behavior Reports*, 6, 100180. <https://doi.org/10.1016/j.chbr.2022.100180>
28. Resor, J., Cooke, S., & **Katz, B.** (2021). The role of social communication technologies in cognition and affect in older adults. *Ageing & Society*. Advance online publication. <https://doi.org/10.1017/s0144686x21000386>
27. Jordan, A.D., Moored, K.D., **Katz, B.**, Cooke, K.A., Buschkuehl, M., Jaeggi, S.M., Polk, T.A., Peltier, S.J., Jonides, & J., Reuter-Lorenz, P.A. (2021). Age differences in functional network reconfiguration with working memory training. *Human Brain Mapping*, 42(6), 1888-1909. <https://doi.org/10.1002/hbm.25337>
26. **Katz, B.**, Airaghi, K.J., & Davy, B M. (2021). Does hydration status influence executive function? A systematic review. *Journal of the Academy of Nutrition and Dietetics*, 121(7), 1284-1305. <https://doi.org/10.1016/j.jand.2020.12.021>
25. Festini, S., & **Katz, B.** (2021). A frontal account of false alarm rates. *The Journal of Cognitive Neuroscience*, 33(9), 1657–1678. https://doi.org/10.1162/jocn_a_01683
24. Lo, S.L., Gearhardt, A.N., Fredericks, E.M., **Katz, B.**, Kaciroti, N., Gonzalez, R., Hunter, C.M., Sonnevile, K., Chaudhry, K., Lumeng, J.C., Miller, & A.L. (2021). Targeted self-regulation interventions in low-income children: Clinical trial results and implications for health behavior change. *Journal of Experimental Child Psychology*, 208, 105157. <https://doi.org/https://doi.org/10.1016/j.jecp.2021.105157>
23. Au, J., **Katz, B.**, Moon, S., Talati, S., Abagis, T., Jonides, J., & Jaeggi, J. (2021). Post-training stimulation of the right dorsolateral prefrontal cortex impairs working memory training performance. *Journal of Neuroscience Research*, 28(9), 1419-1432. <https://doi.org/10.1002/jnr.24784>
22. Ogletree, A., & **Katz, B.** (2020). How do older adults recruited using MTurk differ from those in a national probability sample? *The International Journal of Aging and Human Development*, 93(2), 700-721. <https://doi.org/10.1177/0091415020940197>
21. **Katz, B.**, Turney, I., Lee, J.H., Amini, R., Ajrouch, K., & Antonucci, T. (2020). Race/ethnic differences in social resources as cognitive risk and protective factors. *Research in Human Development*, 17(1), 57-77. <https://doi.org/10.1080/15427609.2020.1743809>
20. Miller, A. L., Lo, S. L., Albright, D., Lee, J. M., Hunter, C. M., Bauer, K. W., King, R., Clark, K.M., Chaudhry, K., Kaciroti, N., **Katz, B.**, & Fredericks, E.M. (2020). Adolescent interventions to manage self-regulation in type 1 diabetes (AIMS-T1D): Randomized control trial study protocol. *BMC Pediatrics*, 20, 112. <https://doi.org/10.1186/s12887-020-2012-7>

19. Jordan, A. D., Cooke, K. A., Moored, K. D., **Katz, B.**, Buschkuehl, M., Jaeggi, S. M., Polk, T.A., Peltier, S.J., Jonides, J., & Reuter-Lorenz, P. A. (2020). Neural correlates of working memory training: evidence for plasticity in older adults. *NeuroImage*, *217*, 116887. <https://doi.org/10.1016/j.neuroimage.2020.116887>
18. Lee, T.H., Kim, S.H., **Katz, B.**, & Mather, M. (2020). The decline in intrinsic connectivity between the salience network and locus coeruleus in older adults: Implications for distractibility. *Frontiers in Aging Neuroscience*, *12*, 2. <https://doi.org/10.3389/fnagi.2020.00002>
17. Woods, A. D., Ahmed, S. F., **Katz, B.**, & Morrison, F. J. (2019). How stable is early academic performance? Using cluster analysis to classify low achievement and EF. *Journal of Learning Disabilities*, *53*(1), 19-35. <https://doi.org/10.1177/0022219419881632>
16. Jordan, A., Cooke, K., Moored, K., **Katz, B.**, Buschkuehl, M., Jaeggi, S.M., Jonides, J., Peltier, S., Polk, T., Reuter-Lorenz, P.A. (2018). Aging and network properties: Stability over time and links during working memory training. *Frontiers in Aging Neuroscience*, *9*, 419. <https://doi.org/10.3389/fnagi.2017.00419>
15. **Katz, B.**, Jaeggi, S., Buschkuehl, M., Shah, P., & Jonides, J. (2018). The effect of monetary compensation on cognitive training outcomes. *Learning and Motivation*, *63*, 77-90. <https://doi.org/10.1016/j.lmot.2017.12.002>
14. Li, F., Ball, S., **Katz, B.**, Smith, A. (2018). Case report of syncope during a transcranial direct current stimulation experiment in a health adult participant. *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation*, *11*(5), 1201-1202. <https://doi.org/10.1016/j.brs.2018.06.008>
13. **Katz, B.**, Shah, P., & Meyer, D. (2018). How to play 20 questions with nature and lose: reflections on 100 years of brain training. *Proceedings of the National Academy of Sciences of the United States of America*, *115*(40), 9897-9904. <https://doi.org/10.1073/pnas.1617102114>
12. Jones, M., **Katz, B.**, Buschkuehl, M., Jaeggi, S., Shah, P. (2018). Exploring cognitive training for children and adolescents with ADHD. *Journal of Attention Disorders*. *24*(5), 704-719. <https://doi.org/10.1177/1087054718779230>
11. Miller, A.L., Gearhardt, A., Fredericks, E., **Katz, B.**, Shapiro, L.F., Holden, K., Kaciroti, N., Gonzalez, R., Hunter, C., Lumeng, J. (2018). Targeting self-regulation to promote health behaviors in children. *Behavioral Research and Therapy*, *101*, 71-81. <https://doi.org/10.1016/j.brat.2017.09.008>
10. Rhodes, R., & **Katz, B.** (2017). Working memory plasticity and aging. *Psychology and Aging*, *32*(1), 51-59. <https://doi.org/10.1037/pag0000135>

9. **Katz, B.**, & Shah, P. (2017). The role of child socioeconomic status in cognitive training outcomes. *Journal of Applied Developmental Psychology*, 53, 139-150. <https://doi.org/10.1016/j.appdev.2017.10.003>
8. **Katz, B.**, Au, J., Buschkuehl, M., Abagis, T., Zabel, C., Jaeggi, S. M., & Jonides, J. (2017). Individual differences and long-term consequences of tDCS-augmented cognitive training. *Journal of Cognitive Neuroscience*, 29(9), 1498-1508. https://doi.org/10.1162/jocn_a_01115
7. Moser, J., Dougherty, A., Mattson, W., **Katz, B.**, & Moran, T., Guevarra, D., Shablack, H., Ayduk, O., Jonides, J., Berman, M., Kross, E. (2017). Third-person self-talk facilitates emotional control without engaging cognitive control: Converging evidence from ERP and fMRI. *Scientific Reports*, 7(1), 4519. <https://doi.org/10.1038/s41598-017-04047-3>
6. Jantz, T., **Katz, B.**, & Reuter-Lorenz, P. (2016). Uncertainty and promise: The effects of transcranial direct current stimulation on working memory. *Current Behavioral Neuroscience Reports*, 3(2), 109-121. <https://doi.org/10.1007/s40473-016-0071-8>
5. Au, J., **Katz, B.**, Buschkuehl, M., Kimberly, B., Senger, T., Zabel, C., Jaeggi, S. M., & Jonides, J. (2016). Enhancing working memory training with transcranial direct current stimulation. *Journal of Cognitive Neuroscience*, 28(9), 1419-1432. https://doi.org/10.1162/jocn_a_00979
4. **Katz, B.**, & Shah, P. (2016). The jury is still out on working memory training. *Journal of the American Medical Association: Pediatrics*, 170(9), 907-908. <https://doi.org/10.1001/jamapediatrics.2016.1237>
3. **Katz, B.**, Jaeggi, S., Buschkuehl, M., Stegman, A., & Shah, P. (2014). Differential effect of motivational features on training improvements in school-based cognitive training. *Frontiers in Human Neuroscience*, 10, 242. <https://doi:10.3389/fnhum.2014.00242>
2. Wang, Z., **Katz, B.**, & Shah, P. (2014). New directions in intelligence research: Avoiding the mistakes of the past. *Journal of Intelligence*, 2(1), 16-20. <https://doi.org/10.3390/jintelligence2010016>
1. Sternberg, D. A., Ballard, K., Hardy, J. L., **Katz, B.**, Doraiswamy, P. M., & Scanlon, M. (2013). The largest human cognitive performance dataset reveals insights into the effects of lifestyle factors and aging. *Frontiers in Human Neuroscience*, 7, 292. <http://doi.org/10.3389/fnhum.2013.00292>

PEER-REVIEWED BOOK CHAPTERS

3. **Katz, B.**, Jones, M.R., Shah, P., Buschkuehl, M., S.M., Jaeggi (2021). Individual differences in cognitive training research. In T. Strobach & J. Karbach (Eds.), *Cognitive Training: An Overview of Features and Applications*, 2nd Edition, (pp. 107-123). Springer. https://doi.org/10.1007/978-3-030-39292-5_8

2. **Katz, B.** & Shah, P. (2019). Logical and methodological considerations in cognitive training research. In J.M. Novick, M.F. Bunting, M.R. Dougherty, & R.W. Engle (Eds), *Cognitive and Working Memory Training: Perspectives from Psychology, Neuroscience, and Human Development* (pp. 445-486). Oxford University Press.
<https://doi.org/10.1093/oso/9780199974467.003.0010>

1. **Katz, B.**, Jones, M., & Shah, P., Buschkuehl, M., Jaeggi, S. M. (2016). Individual differences and motivational effects in cognitive training research. In T. Strobach & J. Karbach (Eds), *Cognitive Training: An Overview of Features and Applications*, (pp. 157-166). Springer. https://doi.org/10.1007/978-3-319-42662-4_15

SELECTED CONFERENCE PRESENTATIONS

Mansoor, M., **Katz, B.** (2022, November 2-6). *ADHD polygenic risk and cognitive performance in later life*. [Poster Presentation]. Gerontological Society of America Annual Meeting, Indianapolis, IN, United States.

Singer, S., **Katz, B.** (2022, November 2-6). *Cognitive profiles of spousal and parental caregivers: an HRS study* [Poster Presentation]. Gerontological Society of America Annual Meeting, Indianapolis, IN, United States.

Ogletree, A., Cooke, S., **Katz, B.** (2021, November 10-14). *Multiple chronic condition combinations, affect, and memory among Black and White older adults* [Paper Presentation]. Gerontological Society of America Annual Meeting, Online.

Lee, J. H., Turney, I., Amini, R., **Katz, B.**, Ajrouch, K., & Antonucci, T. (2020, November 4-7). *Relationship quality and cognition across race and ethnicity* [Paper Presentation]. Gerontological Society of America Annual Meeting, Online.

Zhao, Y., **Katz, B.**, & Teaster, P. (2020, November 4-7). *A scenario-based investigation of surrogate decision making for older adults* [Paper Presentation]. Gerontological Society of America Annual Meeting, Online.

Ogletree, A., & **Katz, B.** (2020, November 4-7). *Multiple chronic condition combinations and cognitive task performance* [Paper Presentation]. Gerontological Society of America Annual Meeting, Online.

Festini, S., **Katz, B.** (2020, November 19-22) *A frontal account of false alarms* [Poster Presentation]. Psychonomics Society Annual Meeting, Online.

Katz, B., Turney, I., Lee, J. H., Amini, R., Ajrouch, K., & Antonucci, T. (2020, August 6-8) *Race/ethnic differences in social resources as cognitive risk and protective factors* [Paper Presentation]. American Psychological Association Conference, Online.

Katz, B. (2019, November 13-17). *An intervention to improve cognitive function in Appalachian older adults* [Paper Presentation]. Gerontological Society of America Annual Meeting, Austin, TX, United States.

Katz, B. (2019, June 6-9). *The role of motivation in the outcome of computerized cognitive training* [Paper Presentation]. Society for Applied Research in Memory and Cognition Conference, Brewster, MA, United States.

Katz, B., Ogletee, A., & Shah, P. (2018, November 14-18). *The unity and diversity of executive functions throughout the lifespan* [Paper Presentation]. Gerontological Society of America Annual Meeting, Boston, MA, United States.

Jones, M. R., **Katz, B.**, Wu, M., Trane, F., Ozbardaci, N., Burt, S., Turchian, M., Buschkuehl, M., Jaeggi, & S.M., Shah, P. (2018, May 24-27). *Motivational intervention for children with ADHD: a pilot study* [Poster Presentation]. Association for Psychological Science Annual Meeting, San Francisco, CA, United States.

Katz, B., Jones, M.R., Glazier, J., Buschkuehl, M., Jaeggi, S.M., Jonides, J., Shah, P. (2018, January 9-10). *Improving attention in ADHD children with computerized lure-adaptive working memory training* [Poster Presentation]. Institute for Education Sciences Annual Meeting, Arlington, VA, United States.

Au, J., **Katz, B.**, Talati, S., Moon, S.M., Bunjaro, K., Gibson, B., Buschkuehl, M., Abagis, T., Zabel, C., Jaeggi, S.M., Jonides, J. (2017, March 25-28). *Evaluating moderators in the use of transcranial direct current stimulation with working memory training* [Poster Presentation]. Cognitive Neuroscience Society Annual Meeting, San Francisco, CA, United States.

Katz, B., Au, J., Buschkuehl, M., Abagis, T., Zabel, C., Jaeggi, S. M., & Jonides, J. (2017, January 13-15). *Individual differences in tDCS-augmented working memory training* [Poster Presentation]. NYC Neuromodulation Conference, New York, NY, United States.

Katz, B. (2016, September 15-17). *Training working memory with concurrent tDCS* [Paper Presentation]. International Mind, Brain, and Education Society Meeting, Toronto, ON, Canada.

Katz, B., & Shah, P. (2016, April 8-12). *Socioeconomic status and cognitive plasticity in adolescents* [Poster Presentation]. American Association of Education Research Conference, Washington D.C., United States.

Ibrahim, A., **Katz, B.**, Grammer, J., Davis-Kean, P., & Morrison, F. (2015, October 8-10). *Executive function and numerical abilities* [Poster Presentation]. Cognitive Development Society Annual Meeting, Columbus, OH, United States.

Ahmed, S., **Katz, B.**, Waters, N., Stillwell, S., Grammer, J., & Morrison, F. (2015, October 8-10). *Classroom-based measures of executive function predict academic achievement in*

young children [Poster Presentation]. Cognitive Development Society Annual Meeting, Columbus, OH, United States.

Katz, B., & Shah, P. (2015, April 16-20). *The role of school-level socioeconomic status in cognitive plasticity following executive function training in adolescents* [Poster Presentation]. American Association of Education Research Conference, Chicago, IL, United States.

Katz, B., Park, I., Jantz, T., Brink, K., & Shah, P. (2015, March 19-21). *The influence of childhood activities on adult executive function and thinking dispositions* [Poster Presentation]. Society for Research in Child Development Biennial Meeting, Philadelphia, PA, United States.

Rhodes, R., & **Katz, B.** (2014, May 22-25). *Effects of spacing and individual differences on learning a working memory task* [Poster Presentation]. Association for Psychological Science Annual Convention, San Francisco, CA, United States.

Katz, B., Jaeggi, S., Buschkuhl, M., Shah, P., & Jonides, J. (2013, November 14-17). *The effect of monetary compensation on transfer following dual n-back training* [Poster Presentation]. Psychonomic Society Annual Meeting, Toronto, ON, Canada.

Ng, N., Sternberg, D., **Katz, B.**, & Hardy, J. L. (2013, March 15-17). *Improving cognitive capacities in school-aged children: a large, multi-site implementation of a web-based cognitive training program in academic settings* [Poster Presentation]. Second Annual Meeting of the Entertainment Software and Cognitive Neurotherapeutics Society, Los Angeles, CA, United States.

Katz, B., & Shah, P. (2013, January 17-18). *Socioeconomic status as a moderator of improvements in executive function following cognitive training in adolescents* [Poster Presentation]. Determinants of Executive Function and Dysfunction Conference, Boulder, CO.

Sternberg, D. A., Hardy, J. L., **Katz, B.**, Ballard, K., & Scanlon, M. (2013, November). *The brain performance test: preliminary findings of transfer from cognitive training to a repeatable, dynamically generated online assessment* [Poster Presentation]. Society for Neuroscience Annual Meeting, San Diego, CA, United States.

Hardy, J. L., Sternberg, D. A., Ballard, K., **Katz, B.**, & Scanlon, M. (2012, October 13-17). *Relationships between lifestyle factors and cognitive performance: An online study including >160,000 participants* [Poster Presentation]. Society for Neuroscience Annual Meeting, New Orleans, LA, United States.

Ballard, K., **Katz, B.**, & Scanlon, M. (2012, March 31-April 3). *Rates of age-related cognitive decline and training improvement depend on task modality: baseline and training effects across the lifespan in a sample of over 20,000 individuals training in four distinct cognitive domains* [Poster Presentation]. Cognitive Neuroscience Society Annual Meeting, Chicago, IL, United States.

Katz, B., Tieming, J., Hardy, J. L., & Scanlon, M. (2011, September 19-20). *The influence of age and education on cognitive plasticity in a worldwide sample of 88,000 individuals* [Poster Presentation]. First Annual Meeting of the Entertainment Software and Cognitive Neurotherapeutics Society, San Francisco, CA, United States.

Tieming, J., Hardy, J. L., **Katz, B.**, & Scanlon, M. (2011, September). *Model successfully predicts relative degree of transfer of cognitive training under natural use conditions for a web-based training program* [Poster Presentation]. First Annual Meeting of the Entertainment Software and Cognitive Neurotherapeutics Society, San Francisco, CA, United States.

Katz, B., Hardy, J. L., & Scanlon, M. (2011, February 16-18). *Improvements in arithmetic abilities between the ages of 15 and 17 in a worldwide sample of over 440,000 adolescents and young adults playing an online game* [Poster Presentation]. Learning and the Brain, San Francisco, CA, United States.

ORGANIZED SYMPOSIA

| | |
|--|------|
| Neuroscience and Development of Executive Function | 2016 |
| International Mind, Brain, and Education Society Conference, Toronto, ON | |
| Symposium on Improving Intelligence and Reasoning | 2015 |
| University of Michigan, Ann Arbor, MI | |

PATENTS

Hinman, T., **Katz, B.**, Hardy, J.L., Drescher D (2014). *Systems and methods for enhancing cognition* (U.S. Patent No. 8,821,242). U.S. Patent and Trademark Office.

INVITED EXTRAMURAL TALKS

| | |
|---|------|
| Sandler Neurosciences Center, University of California, San Francisco | 2022 |
| Division of Natural Sciences and Mathematics Colloquium, Colgate University | 2021 |
| Pennsylvania Conference of State Trial Judges | 2021 |
| Cognitive Psychology Area Colloquium, University of Virginia | 2019 |
| School Education Colloquium, University of California, Irvine | 2017 |

HONORS AND AWARDS

| | |
|---|------|
| Certificate of Teaching Excellence | 2021 |
| College of Liberal Arts and Human Sciences, Virginia Tech | |
| Citation Award Abstract | 2020 |
| Society of Behavioral Medicine | |
| Pat Gurin Distinguished Lecture | 2016 |
| University of Michigan | |
| Rackham Predoctoral Fellowship | 2016 |

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|---|------------|
| University of Michigan Rackham Outstanding Graduate Student Instructor Award | 2016 |
| University of Michigan Psychology Outstanding Graduate Student Instructor Award | 2015 |
| University of Michigan GRFP Honorable Mention | 2013, 2014 |
| National Science Foundation Outstanding Poster Award | 2013 |
| Determinants of Executive Function & Dysfunction Conference Rackham Regent's Fellowship | 2012 |
| University of Michigan Dean's List | 2004-2006 |
| Columbia College, Columbia University | |

PROFESSIONAL ACTIVITIES

| | |
|--|---|
| Editorial Board Member, Journal of Cognitive Enhancement | 2023-present |
| Editorial Board Member, Gerontology & Geriatrics Education | 2022-present |
| Review Panel, NSF | Fall 2019, Spring 2020, Fall 2020, Spring 2021, Spring 2023 |
| Grant Reviewer, US-Israel Binational Science Foundation | 2022 |

Selected Ad Hoc Reviews

| | |
|---|---|
| <i>Cerebral Cortex</i> | <i>Journal of Experimental Psychology,</i> |
| <i>Frontiers in Psychology</i> | <i>General</i> |
| <i>Gerontology & Geriatrics Education</i> | <i>Neuropsychologia</i> |
| <i>Innovation in Aging</i> | <i>Perspectives on Psychological Science</i> |
| <i>Journal of Cognitive Enhancement</i> | <i>Proceedings of the National Academy of</i> |
| <i>Journal of Education Psychology</i> | <i>Sciences</i> |
| <i>Journal of Experimental Psychology,</i> | <i>Psychological Bulletin</i> |
| <i>Applied</i> | <i>Psychological Science</i> |
| | <i>Psychology & Aging</i> |

Professional Affiliations

Cognitive Neuroscience Society
American Psychological Association Division 20 (Adult Development & Aging)
Gerontological Society of America
Psychonomic Society

TRAINING FELLOWSHIPS

| | |
|---|-----------|
| NIH Summer Institute on Randomized Clinical Trials | 2019 |
| Michigan Center for Contextual Factors in Alzheimer's Disease Program | 2019 |
| International Max Planck Research School on the Life Course | 2013-2016 |

TEACHING

Assistant Professor – Virginia Tech, Blacksburg, VA

- Theories in Human Development and Family Science (Grad): Fall 2018, Fall 2019, Fall 2021
- Human Development II: Adult Development and Aging (Undergrad): Spring 2018, Spring 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Fall 2022
- Lifespan Community Services (Undergrad): Spring 2018, Spring 2019, Spring 2020, Fall 2022
- Issues in Aging (Focus on neuroscience of aging, Undergrad): Fall 2017, Fall 2018, Fall 2020, Spring 2022, Spring 2023

Average Rating: 5.6 (out of 6); Received 8 unsolicited “Thank a Teacher” notes through the Center for Excellence in Teaching and Learning

Instructor – University of Michigan, Ann Arbor, MI

- Introduction to Cognitive Psychology: Spring 2014, Spring 2015
- Educational Psychology and Human Development: Fall 2015

Average Rating: 4.8 (out of 5)

MENTORING

Graduate Student Committees

Chair: Marrium Mansoor (current); Katelyn Singer (current); Elayna Seago (Current), Kathryn Ratliff (2022)

Committee Member: Meredith Anatasio (current), Diana Devine (current), Benjamin Comire (current), Douglas Harrison (current), Deneisha Poe (current), Glen Reid (2022), Amber Kelly (current), Kayla Wunderlich (2022), Kyra Lopez (2021), Lindsay Herra (2021)

Undergraduate Honors Projects & Independent Study

Chloe Guenette (2022), Dalia Abdel-Latif (2021), Emily Hoyt (2019)

Undergraduate Academic Advising

Served as primary academic advisor for 43 undergraduate students (2018-present)

Undergraduate Laboratory Research

Supervised 23 undergraduate students completing research for course credit (2017-present)

UNIVERSITY SERVICE

Department of Human Development and Family Science, Virginia Tech

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| Area Coordinator, Adult Development and Aging | 2020-present |
| Representative, Honors College | 2019-2022 |
| Member, Undergraduate Curriculum Committee | 2018-present |
| Member, Neuroscience and Human Development Search Committee | 2019 |
| Diversity Advocate, Senior Systems Administrator Search Committee | 2019 |
| Member, Department Head Search Committee | 2018- 2019 |
| Member, Child and Adolescent Development Search Committee | 2018- 2019 |

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| College of Liberal Arts and Human Sciences, Virginia Tech | |
| Co-Chair, College Curriculum Committee | 2021 |
| Member, Department Head Review Committee | 2021 |
| Member, College IT Advisory Committee | 2021-present |
| Member, College Grants Review Panel | 2019 |

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| University of Michigan, Ann Arbor, MI | |
| Member, Program in Education & Psychology Admissions Committee | 2015 |
| Member, Program in Education & Psychology Colloquium Committee | 2012-2016 |

COMMUNITY OUTREACH

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| “How is Your Cognitive Reserve?” | 2021 |
| Virginia Cooperative Extension Publication | |
| Connection & Growth – Aging in Place Workbook Video | 2020 |
| New River Valley Agency on Aging | |
| Aging Well Panel Member | 2019 |
| Olio Financial Planning Symposium, Radford, VA | |