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PROFESSIONAL PREPARATION

University of Massachusetts	Amherst, MA	Communication	BA, 2004
Harvard University	Cambridge, MA	Technology in Education	MEd, 2005
University of Massachusetts	Amherst, MA	Developmental Psychology	MA, 2012
University of Massachusetts	Amherst, MA	Developmental Psychology/ Quantitative Methodology	PhD, 2014

APPOINTMENTS

- Research Scientist, Education Development Center, Inc. 2018- present
- Senior Research Associate, Education Development Center, Inc., 2016-2018
- Research Associate II, Education Development Center, Inc., 2013-2016
- Data Analyst, TERC, 2013-2014
- Methodology Consultant, Center for Research on Families, 2012-2014
- Graduate Research Assistant, Children & Media Lab, University of Massachusetts Amherst, 2008-2014
- Director of Education, WGBY d.b.a. WGBH Educational Foundation, 2006-2013

PRODUCTS

Lavigne, H.J., & Cuellar, L. (2019). Developing Preschoolers' Computational Thinking Through Joint Engagement. Paper presented at the annual meeting of the American Educational Research Association, Toronto, Canada.

Lavigne, H.J., Orr, J., Wolsky, M. (2018). Exploring Computational Thinking in Preschool Math Learning Environments. Roundtable presented at the Society for Information Technology and Teacher Education's annual conference: Washington, DC.

Zweig, J. **Lavigne, H.J.,** & Shields, K. (2017). Using NCES Data When State or District Data Are

Not Available: Two REL Studies. Panel presented at The National Center for Education Statistics' 2017 STATS-DC Data Conference.

- Lavigne, H.J.,** Ryan, S., Zweig, J.S., Buffington, P.J. (2017). *Exploring district-level expenditure-to-performance ratios*. Washington, DC: US Department of Education, Institute of Education Sciences, National Center for Education Evaluation and Regional Assistance, Regional Educational Laboratory Northeast & Islands. Retrieved from <http://ies.ed.gov/ncee/edlabs>.
- Lavigne, H.J.,** Greller, S. L., Waterman Irwin, C., Goodyear, L. (2016). Balancing the Varied Needs of Complex Evaluation Clients: Avoiding Silos and Establishing Strategies for Success. Session presented at the American Evaluation Association's 2016 annual conference.
- Lavigne, H. J.,** Shakman, K., Zweig, J., & Greller, S. L. (2016). *Principals' time, tasks, and professional development: An analysis of Schools and Staffing Survey data (REL 2017–201)*. Washington, DC: U.S. Department of Education, Institute of Education Sciences, National Center for Education Evaluation and Regional Assistance, Regional Educational Laboratory Northeast & Islands. Retrieved from <http://ies.ed.gov/ncee/edlabs>.
- Kirkorian, H.L., **Lavigne, H.J.,** Hanson, K.G., Troseth, G.L., Demers, L.B., & Anderson, D.R. (2016). Video Deficit in Toddlers' Object Retrieval: What Eye Movements Reveal About Online Cognition. *Infancy*.
- Lavigne, H.J.,** Hanson, K.G., & Anderson, D.R. (2015). The Influence of Television Covieing on Parent Language Directed at Toddlers. *Journal of Applied Developmental Psychology*. 36, 1-10.
- Lavigne, H.J.,** & Anderson, D.R. (2012). Television and children's knowledge. In Pinkham, A., Kaefer, T., Neuman, S.B. (Eds.), *Knowledge Development in Early Childhood: How Young Children Build Knowledge and Why It Matters*. New York, NY: Guilford Press.

SYNERGISTIC ACTIVITIES

- Principal Investigator for *Collaborative Research: The Development of Computational Literacy through the Integration of Computational Thinking and Early Language and Literacy Development in Urban Preschools* (2018-present). Co-Principal Investigator for *Digital Media and Parent/Child Engagement Resources to Increase Preschool Computational Thinking* (2016-present), *Integrating Computational Thinking into Mathematics Instruction in Rural and Urban Preschools* (2017 – present), and *Ruff Family Science* (2017 – present)
- Project Lead/Researcher, *Regional Educational Laboratory Northeast and Islands* and *Regional Educational Laboratory Midwest*, (2014-present)
- Research Methods Workgroup Leader, EDC's Domestic Division (2019)
- Advisory Board Member for *Home City Families Advisory Council* (2011-2013). *Springfield Early Literacy Coalition* (2008 – 2013). PVSTEM Executive Committee (2006-2009)
- IES What Works Clearinghouse Certified Reviewer (Group Design Standards 3.0 and 4.0; 2017 - present)

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