

Sara Peck, Ph.D., BCBA-D

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EDUCATION

Utah State University, Logan, UT, United States

Doctor of Philosophy in Behavior Analysis – Summer, 2022

- Cumulative GPA: 4.0
- Honors: Walter R. Borg Scholarship

Massachusetts College of Liberal Arts, North Adams, MA, United States

Bachelor of Arts Degree in Psychology, Behavior Analysis Concentration – Spring, 2017

- Summa Cum Laude
- Cumulative GPA: 3.89
- Honors: Research Scholar Award, Dean's List, Psi Chi International Honor Society, Alpha Chi National Honor Society, Recipient of the 2017 Departmental Award, Recipient of the 2016 Samuel H. Clark Scholarship
- Activities: Founder and President of the Psychology Club, Vice President of the MCLA Chapter of Psi Chi International Honor Society

PROFESSIONAL CREDENTIALS

Board Certified Behavior Analyst (BCBA), #1-21-55622 (2021)

AWARDED GRANTS

Society for the Advancement of Behavior Analysis (SABA)

- *Innovative Student Research Dissertation Grant (2021)* – Evaluating whether exposure to high-effort contingencies produces generalized effects of improved effort-based decision-making in children with ADHD
- *Innovative Student Research Thesis Grant (2018)* – Assessed the efficacy of exposure to high-effort contingencies as a method to reduce effort-based impulsive choice in rats

Psi Chi International Honors Society

- *Graduate Student Grant Award (2019)* – Tested effects of Episodic Future Thinking (EFT) on effort discounting

PEER-REVIEWED PUBLICATIONS

Peck, S., & Madden, G. J. (2022). Effects of episodic future thinking on delay and effort discounting. *The Psychological Record*. <https://doi.org/10.1007/s40732-022-00516-y>

Peck, S., Preston, E., Smith, K. B., & Madden, G. J. (2022). Reducing impulsive choice: VIII. Effects of delay-exposure training in female rats. *Behavioural Processes*, 104622. <https://doi.org/10.1016/j.beproc.2022.104622>

Aguilar, J., Peck, S., Mattson, S. L., Reinert, K. S. Higbee, T. S., Lindgren, N., Osos, J. (2022). Caregiver-implemented digital activity schedules with virtual coaching. *Behavior Modification*. <https://doi.org/10.1177/01454455221118341>

- Peck, S., & Madden, G. J.** (2021). Effects of effort training on effort-based impulsive choice. *Behavioural Processes*, 104441. <https://doi.org/10.1016/j.beproc.2021.104441>
- Renda, C. R., Rung, J. M., **Peck, S.**, & Madden, G. J. (2020). Reducing impulsive choice VII: effects of duration of delay-exposure training. *Animal Cognition*, 1-11. <https://doi.org/10.1007/s10071-020-01412-0>
- Mattson, S. L., Higbee, T. S., Aguilar, J., Nichols, B., Campbell, V. E., Nix, L. D., Reinert, K. S., **Peck, S.**, & Lewis, K. (2020). Creating and sharing digital instructional activities: A practical tutorial. *Behavior Analysis in Practice*, Digital Materials Tutorial. <https://doi.org/10.31234/osf.io/9gwpj>
- Peck, S.**, Rung, J. M., Hinnenkamp, J. E., & Madden, G. J. (2019). Reducing impulsive choice: VI. Delay-exposure training reduces aversion to delay-signaling stimuli. *Psychology of Addictive Behaviors*. <https://doi.org/10.1037/adb0000495>
- Rung, J. M., **Peck, S.**, Hinnenkamp, J. E., Preston, E., & Madden, G. J. (2019). Changing delay discounting and impulsive choice: Implications for addictions, prevention, and human health. *Perspectives on Behavior Science*, 1-21. <https://doi.org/10.1007/s40614-019-00200-7>
- Peck, S.**, & Byrne, T. (2018). Free-operant discounting: Initial results from an adjusting-duration procedure. *Behavior Analysis: Research and Practice*. <https://doi.org/10.1037/bar0000146>
- Manning, T., **Peck, S.**, & Byrne, T. (2018). Effects of naloxone and caffeine on responding under a progressive-duration schedule of food delivery. *The Psychological Record*, 68(1), 39-48. <https://doi.org/10.1007/s40732-018-0265-4>
- Valois, M., **Peck, S.**, & Byrne, T. (2017). A comparison of resetting and nonresetting contingencies in progressive-duration schedules. *Behavioural Processes*, 142, 119-125. <https://doi.org/10.1016/j.beproc.2017.07.004>
- Peck, S.**, & Byrne, T. (2016). Demand in rats responding under duration-based schedules of reinforcement. *Behavioural processes*, 128, 47-52. <https://doi.org/10.1016/j.beproc.2016.04.002>

PAPERS IN PREPARATION FOR PUBLICATION

- Peck, S.**, & Madden, G. J. (*in preparation*). Effects of the delay confound in effort discounting and validation of a novel task.
- Peck, S.**, & Madden, G. J. (*in preparation*). Effects of episodic effortful thinking on effort discounting and task persistence.
- Mahmoudi, S., **Peck, S.**, Smith, K., & Madden, G. J. (*in preparation*). Effects of real-time social-normative messages on a hypothetical vehicle idling task.

CONFERENCE PRESENTATIONS/POSTERS

- Peck, S.** & Madden, G. (2023[accepted]). Assessing and improving effort-based decision-making. *Paper presented at the annual convention of the Association for Behavior Analysis International*, Denver, CO.
- Preston, E., Pan, S. X., Joslyn, P. R., Najafichaghabori, M. **Peck, S.** (2023[accepted]). Episodic future thinking and its relationship to immersion in virtual reality environments. *Paper presented at the annual convention of the Association for Behavior Analysis International*, Denver, CO.
- Peck, S.** & Madden, G. (2022). Effects of the delay confound in an effort discounting task. *Poster presented at the annual convention of the Society for the Quantitative Analyses of Behavior*, Boston, MA.
- Aguilar, J., **Peck, S.**, Mattson, S. L., Reinert, K. S., Higbee, T. S. (2022). Caregiver-implemented digital activity schedule with virtual coaching. *Paper presented at the annual convention of the Association for Behavior Analysis International*, Boston, MA.

- Peck, S. & Madden, G. (2021).** Interventions to Reduce Discounting. *Paper presented at the annual convention of the Association for Behavior Analysis International*, Virtual.
- Galizio, A., Higbee, T. S., **Peck, S.**, Becerra, L. A., Hinnenkamp, J. E., & Odum, A. (2020). Choice for variability in children with autism. *Paper presented at the annual convention of the Association for Behavior Analysis International*, Virtual.
- Peck, S.**, Rung, J. M., Hinnenkamp, J. E., & Madden, G. J. (2019). Delay aversion as a potential mechanism of delay-exposure training. *Paper presented at the annual convention of the Association for Behavior Analysis International*, Chicago, IL.
- Peck, S. & Madden, G. (2019).** The effect of high effort training on effort-based impulsive choice. *Poster presented at the annual convention of the Society for the Quantitative Analyses of Behavior*, Chicago, IL.
- Preston, E., Morrissey, K., Harper, N., **Peck, S.** & Madden, G. J. (2019). Delay Exposure Training: Procedures, Effects, & Potential Mechanisms. *Poster presented at the annual convention of the Society for the Quantitative Analyses of Behavior*, Chicago, IL.
- Peck, S.**, Harper, N., Swanson, K., Morrissey, K., & Madden, G. J. (2018). Reduction in delay aversion as a potential mechanism of delay exposure training. *Poster presented at the annual convention of the Society for the Quantitative Analyses of Behavior*, San Diego, CA.
- Griffith, K., **Peck, S.**, Pinkelman, S., & Madden, G. J. (2018). Teaching self-control: from basic findings to educational applications for children. *Paper presented at the annual convention of the Association for Behavior Analysis International*, San Diego, CA.
- Gulotta, K., **Peck, S.**, & Byrne, T. (2017) Recent research in response duration. *Symposium presented at the annual conference of the Massachusetts Association for Behavior Analysis*, Marlborough, MA
- Byrne, T., Kelliher, H., Lemay, M., Manning, T., & **Peck, S.** (2016). A duration suite. *Poster presented at the annual convention of the Association for Behavior Analysis International*, Chicago, IL.
- Johnston, B., **Peck, S.**, Byrne, T. (2016). The effects of caffeine in rats responding under a progressive-duration schedule of food delivery. *Poster presented at the annual convention of the Berkshire Association for Behavior Analysis and Therapy*, Amherst, MA
- Peck, S. & Cassimassima, M. (2016).** Binge eating in rats with a progressive duration schedule. *Poster presented at the annual MCLA Undergraduate Research Conference*, North Adams, MA
- Peck, S.**, & Byrne, T. (2016). Delay discounting combined with effort: sweetened condensed milk self-administration in rats. *Poster presented at the National Conference of Undergraduate Research (NCUR)*, Asheville, NC
- Peck, S.**, & Byrne, T. (2016) Behavioral Momentum: Disrupting Sweetened Condensed Milk Self-Administration. *Poster presented at the National Conference of Undergraduate Research (NCUR)*, Asheville, NC
- Peck, S.**, Dewey, C., Law, E., Dwyer, J., & Benjamin, R. (2015). Re-Examining Predictors of College Student Success: A Multivariate Approach. *Poster presented at the annual MCLA Undergraduate Research Conference*, North Adams, MA
- Peck, S.**, Kelliher, H., Lemay, M., Manning, T., Hoag, A., & Byrne, T. (2015). Ethanol self-administration using a sweetened condensed milk vehicle. *Poster presented at the annual MCLA Undergraduate Research Conference*, North Adams, MA
- Peck, S.**, Kelliher, H., Lemay, M., Manning, T., Hoag, A., & Byrne, T. (2015). Ethical and applied considerations in animal research. *Poster presented at the annual MCLA Undergraduate Research Conference*, North Adams, MA

RESEARCH EXPERIENCE

Utah State University, Logan, UT, United States

Translational Research Collaboration, Fall 2018-Present

- Collaborating with Dr. P. Raymond Joslyn from USU SPED department
 - Assessing and altering effort-based decision-making in children with ADHD
- Collaborating with Dr. Thomas S. Higbee from USU SPED department
 - Assessing and altering effort-based impulsive choice in children with ASD
 - Testing digital activity schedules for children with ASD and telehealth coaching of caregivers
 - Developing and disseminating digital services for families and children with ASD
 - Conducted translational research on improving play variability in children with ASD
- Collaborating with Dr. Katherine R. Brown from USU PSY department
 - Evaluating caregiver decision-making with effortful outcomes and behavioral treatments

Graduate Research Assistant, Summer 2017-Summer, 2022

- Conducted NIH and NSF grant-funded research under Dr. Gregory J. Madden; Specific grants include: R21 DA042174-01; R03 DA044927-01; NSF-00196667
- Research areas include: Delay Discounting, Effort Discounting, Impulsive Choice, Delay-Exposure Training, Delay Aversion, Conditioned Reinforcement, Allomorphic Choice, Social Norm Messaging, Episodic Thinking Interventions, Delay Framing in Consumer Decision-Making

Massachusetts College of Liberal Arts, North Adams, MA, United States

Student Researcher, Summer 2016-Spring 2017

- Conducted operant conditioning research with Dr. Tom Byrne
- Conducted survey research on the Interrelationships among Impulsivity, Locus of Control, and Swearing with Dr. Timothy Jay

Student Researcher, Spring 2016

- Conducted research on Intermittent Exposure Behaviors and Binge Eating in Rats and Behavioral Economics
- Assisted Dr. Benjamin Wood by transcribing interviews for his research related to Mental Health Issues Disclosed in the Classroom

Research Assistant to Dr. Tom Byrne, Fall 2015

- Conducted experimental sessions with rats
- Oversaw students in Research in Behavior Analysis (PSYC 416) course
- Assisted with studies involving behavioral momentum and delay discounting
- Conducted research on ethanol self-administration in rats

CLINICAL EXPERIENCE

New England Center for Children (NECC), Southborough, MA, United States

Program Specialist, Summer 2022-Present

- Supervises clinical services and staff, including education coordinators, level 2 teachers, and case managers
- Develops curriculum and behavioral programs
- Participates in NECC's applied research program
- Provides BCBA supervision to prospective clinicians
- Oversees all administrative personnel functions
- Delegates and supervises roles and cases

- Conducts ongoing evaluations of staff
- Responsible for student program development and implementation; Assures student clinical and educational programs are effective and modified in a timely manner
- Maintains familiarity with current research in best practice in behavior analysis
- Coordinates all communication with families and supports home training services; Conducts monthly meetings with families to review educational and clinical progress

Autism Support Services: Education, Research, and Training (ASSERT), Logan, UT, United States

ASSERT Case Manager, Summer 2019-Summer 2021

- Developed, implemented, and oversaw behavioral interventions
- Revised ASSERT program skill acquisition curriculum
- Evaluated early skill level (e.g., conducted ELM, VB-MAPP)
- Developed and disseminated virtual ASSERT program curriculum
- Taught use of assistive technology to promote communication
- Trained and evaluated general and lead staff
- Held staff team meetings with general and lead staff
- Participated in IEP meetings
- Conducted parent trainings and home visits
- Gained BCBA certification hours and professional supervision

ASSERT Lead Preschool Instructor, Spring 2019-Summer 2019

- Programmed skill acquisition curriculum
- Developed behavioral intervention
- Input behavioral data and developed graphs
- Taught functional skills to children with developmental disabilities
- Gained BCBA certification hours and professional supervision

ASSERT Preschool Instructor, Summer 2018-Fall 2018

- Taught functional skills to children with developmental disabilities
- Gained BCBA certification hours and professional supervision

TEACHING EXPERIENCE

Tufts University, Medford, MA, United States

Lecturer

- PSY 32 – Experimental Psychology/Research Methods with lab (Fall, 2022; Spring, 2023)

Utah State University, Logan, UT, United States

Instructor of Record

- PSY1400 – Introduction to Behavior Analysis (Summer, 2020; Spring, 2022)

Course Supervisor

- PSY4950 – Undergraduate Apprenticeship (Fall, 2017-Summer, 2022)
- PSY5910 – Undergraduate Independent Research (Fall, 2017-Summer, 2022)

Graduate Teaching Assistant

- PSY1410 – Introduction to Behavior Analysis Lab (Fall, 2018)

Courses I am prepared to teach at the graduate level:

- Single Subject Research Design
- Concepts and Principles in Behavior Analysis
- Advanced Applied Behavior Analysis in Education I & II
- Systems Change/Implementation Science
- Ethics and Professional Behavior
- Early Intervention for Children with ASD
- Experimental Analysis of Behavior
- Behavioral Economics
- Translational Behavior Analysis
- Board Certified Behavior Analyst (BCBA) coursework

Courses I am prepared to teach at the undergraduate level:

- Statistics
- Research Methods
- Introduction to Psychology
- Introduction to Behavior Analysis
- Advanced Behavior Analysis
- Board Certified Assistant Behavior Analyst (BCaBA) coursework

SUPPLEMENTAL SKILLS

- Clinical Assessment
 - Early Learning Measure (ELM)
 - Early Echoic Skills Assessment (EESA)
 - Verbal Behavior Milestones Assessment and Placement Program (VB-MAPP)
 - Functional Analysis
 - Vineland Adaptive Behavior Scales
- Behavioral Intervention Application and Development for Children with Disabilities
- Remote Behavioral Services and Training
- Certified BCBA Supervisor (APF-1663716398-30555-291404)
- Autism Curriculum Encyclopedia (ACE)
- CALM-Physical Trained
- Statistical Analysis
- R Studio/R Markdown
- MED Associates Operant Chambers/ MED-PC IV Software and Programming
- Visual Basic Excel Programming
- JavaScript Programming
- Rat Care and Injections
- GraphPad Prism
- Microsoft Office (Word, Excel, PowerPoint, Publisher)
- APA Formatting
- First Aid and EpiPen Trained