

Curriculum Vitae
Daehyoung “DH” Lee, Ph.D.

Assistant Professor
Department of Health Behavior and Nutrition Sciences
College of Health Sciences
University of Delaware (UD)
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EDUCATION

- Ph.D. Human Performance** 2020
Indiana University Bloomington (IUB) Bloomington, IN
Department of Kinesiology
Concentration: Physical Activity and Motor Development in Individuals with Disabilities
Minor: Informatics
- M.Sc. Adapted Physical Activity** 2016
Katholieke Universiteit (KU)-Leuven Leuven, Belgium
Faculty of Kinesiology and Rehabilitation Sciences
- M.Sc. Adapted Physical Activity (Joint degree)** 2016
Palacký University Olomouc, Czech Republic
Faculty of Physical Culture
- B.PE. Athletics Coaching** 2013
Kookmin University Seoul, South Korea
College of Physical Education

PROFESSIONAL EXPERIENCE

- 08/2023 - Present Assistant Professor, Department of Health Behavior and Nutrition Sciences (HBNS), UD
Director, Physical Activity and Technology for All (PATA) Lab, UD
- 01/2021 - 05/2023 Assistant Professor, Department of Applied Human Sciences, University of Minnesota Duluth (UMD)
Program Coordinator, Developmental Adapted Physical Education (DAPE), UMD
- 06/2020 - 12/2020 Postdoctoral Fellow, Department of Kinesiology, IUB
- 08/2016 - 05/2020 Associate Instructor & Graduate Research Assistant, Department of Kinesiology, IUB
Program Coordinator, IU Adapted Physical Activity for Children with Disabilities, IUB
- 03/2013 - 05/2014 Research Assistant, Korea Institute of Sport Science, South Korea
- 08/2011 - 03/2013 Research Assistant, Kinesmetrics Lab, Kookmin University, South Korea
- 03/2010 - 12/2011 Elementary Adapted Physical Education Teacher, Jeong-Duk Elementary School, South Korea

RESEARCH INTERESTS

- Investigating ecologically valid measurements of physical activity and sedentary behavior in individuals with and without disabilities.
- Developing technology-driven interventions, such as mHealth apps and wearable activity monitors, to improve 24-hour movement behaviors in individuals with disabilities, with a focus on individuals on the autism spectrum.
- Understanding the interplay of motor development, physical behaviors, and other developmental domains (e.g., eating behavior, language, cognitive, and social-emotional health) in individuals with intellectual and developmental disabilities.

HONORS AND AWARDS

2024 / 2025	Most Valuable Professor (MVP) Awards, UD Athletics (Softball, Lacrosse, & Baseball)
2020	National Doctoral Scholar Award, American Kinesiology Association
2020	Indiana University Graduate and Professional Student Government Research Award
2019 - 2020	Kinesiology Graduate Fellowship, Department of Kinesiology, IUB
2018	Marian Godeke Miller Fellowship, School of Public Health, IUB
2018 - 2019	John H. Edwards Fellowship, Indiana University Graduate School (Total Award: \$25,000). <i>The John H. Edwards Fellowship is one of the Indiana University's most prestigious academic awards. The Edwards Trust Fund Committee provides two fellowships for graduate students in terminal degree programs at any campus of Indiana University based on criteria, including scholastic ability, intellectual capacity, public service, exemplary character, and the likelihood of future usefulness to society. A university-wide committee selects the fellows from nominations made by the deans of schools and departments.</i>
2017	Judges Choice of Most Potential for Social Good Award, Fall Projects and Research Symposium, School of Informatics, Computing, and Engineering, IUB
2017	Gallahue Morris Graduate Research Award, School of Public Health, IUB
2016 - 2020	Research Travel Grant (three times), Research and Creativity Committee, Department of Kinesiology, IUB
2016	School of Public Health Graduate Fellowship, School of Public Health, IUB
2015	First Place, Sports Industry Promotion User Generated Contents Award, Korean Ministry of Culture, Sports and Tourism, Seoul, South Korea
2015	Best Conference Presentation Award, 5th International Students Conference Full of Colors, Palacký University, Czech Republic
2015	Third Place, Korean Paralympic Committee User Generated Contents Award, Korean Paralympic Committee, Seoul, South Korea
2014 - 2016	Erasmus Mundus Scholarship, European Commission, Belgium (Total Award: €54,000).
2013	Summa Cum Laude, Faculty of Physical Education, Kookmin University, Seoul, South Korea

PUBLICATIONS (*denotes student advisee)

Refereed Journal Publications

- **Lee D**, Voermans-Dean H*, Lee JE, Shin JC, and Dominick G. Comparison of ActiGraph CentrePoint Insight Watch Placement on Dominant and Nondominant Wrists in Young Adults in Free-Living Conditions: Observational Validation Study. *JMIR mHealth and uHealth*. 2025; 13: e63033. <https://doi.org/10.2196/63033>
- **Lee D**, McNulty L*, Kathiravan S*, Mauriello LM, Vasudevan V, Bhat A, Obrusnikova I, and Suminski RR. A Gamified mHealth App to Promote Physical Activity and Reduce Sedentary Behavior in Autistic Adults: Protocol for A Remotely Delivered Pilot Intervention Study. *JMIR Research Protocols*. 2025; 14: e71631. <https://doi.org/10.2196/71631>
- Johnson BJ, Chappel SE, Shaw S, ... **Lee D**, and Verswijveren SJJM. Contemporary Challenges, Needs and Opportunities for Emerging Behavioral Nutrition and Physical Activity Researchers: A Mixed-Methods Study. *International Journal of Behavioral Nutrition and Physical Activity*. 2025; 22: 94. <https://doi.org/10.1186/s12966-025-01748-1>
- **Lee D**, Kennedy JM, Cothran DJ, Shih PC, Dickinson S, Golzarri-Arroyo L, and Frey GC. Correlates of Physical Activity, Sedentary Time, and Cardiovascular Disease Risk Factors in Autistic Adults without Intellectual Disabilities. *Research in Developmental Disabilities*. 2025; 161: 104980. <https://doi.org/10.1016/j.ridd.2025.104980>
- **Lee D**, Frey GC, and Shih PC. Gamified Mobile Health Strategies for Promoting Physical Activity in Autistic Adults. *Exercise and Sport Sciences Reviews*. 2025; 53(2): 68-76. <https://doi.org/10.1249/JES.0000000000000353> [[Invited Review](#)].
- Bodde AE, Helsel BC, Sullivan DK, Donnelly JE, **Lee D**, Clina JG, and Ptomey LT. Diet Quality of Midwest Adolescents and Young Adults with Intellectual Disabilities and Overweight/Obesity Differs by Diagnosis But Not by Weight Category. *Journal of the Academy of Nutrition and Dietetics*. 2025; 125(3): 396-404.

<https://doi.org/10.1016/j.jand.2024.07.164>

- **Lee D**, Cothran DJ, Kennedy JM, Shih PC, Golzarri-Arroyo L, Dickinson S, and Frey GC. Association Between Physical Activity, Sedentary Time, and Technology Use in Autistic Adults. *Journal of Developmental and Physical Disabilities*. 2024. <https://doi.org/10.1007/s10882-024-09983-3>
- **Lee D**, Frey GC, Cothran DJ, Harezlak J, and Shih PC. Concordance between Accelerometer-Measured and Self-Reported Physical Activity and Sedentary Time in Adults with Autism. *Journal of Autism and Developmental Disorders*. 2024; 54: 1517-1526. <https://doi.org/10.1007/s10803-022-05862-y>
- **Lee D**, Oeding G*, and Hwang BH. Parental Perception of Motor, Language, and Literacy Skills Development in School-Aged Autistic Children. *International Journal of Developmental Disabilities*. 2023; 1-10. <https://doi.org/10.1080/20473869.2023.2294394>
- **Lee D**, Frey GC, Cothran DJ, Harezlak J, and Shih PC. Effects of a Gamified, Behavior Change Technique-Based Mobile App on Increasing Physical Activity and Reducing Anxiety in Adults With Autism Spectrum Disorder: Feasibility Randomized Controlled Trial. *JMIR Formative Research*. 2022; 6(7): e35701. <https://doi.org/10.2196/35701>
- Hwang BH and **Lee D**. Association between Motor and Language Skills Development in Children with Autism Spectrum Disorder: A Scoping Review. *International Journal of Disability, Development and Education*. 2022; 71(2): 135-149. <https://doi.org/10.1080/1034912X.2022.2092081>
- Lee JE, Zeng N, Oh Y, **Lee D**, and Gao Z. Effects of Pokémon Go on Physical Activity and Psychological and Social Outcomes: A Systematic Review. *Journal of Clinical Medicine*. 2021; 10(9): 1860. <https://doi.org/10.3390/jcm10091860>
- **Lee D**. Knowledge Gaps in Mobile Health Research for Promoting Physical Activity in Adults with Autism Spectrum Disorder. *Frontiers in Psychology*. 2021; 12: 635105. <https://doi.org/10.3389/fpsyg.2021.635105>
- **Lee D**, Frey GC, Min A, Kim B, Cothran DJ, Bellini S, Han K, and Shih PC. Usability Inquiry of a Gamified Behavior Change App for Increasing Physical Activity and Reducing Sedentary Behavior in Adults with and without Autism Spectrum Disorder. *Health Informatics Journal*. 2020; 26(4): 2992-3008. <https://doi.org/10.1177/1460458220952909>
- Kim B, **Lee D**, Min A, Paik S, Frey GC, Bellini S, Han K, and Shih PC. PuzzleWalk: A Theory-Driven Iterative Design Inquiry of a Mobile Game for Promoting Physical Activity in Adults with Autism Spectrum Disorder. *PLOS One*. 2020; 15(9): e0237966. <https://doi.org/10.1371/journal.pone.0237966>
- Min A, **Lee D**, Gao G, Jeong S, and Shih PC. Design and Assessment of a Personal Breathalyzer Intervention to Support Responsible Drinking. *International Journal of Human-Computer Studies*. 2020; 137: 102382. <https://doi.org/10.1016/j.ijhcs.2019.102382>
- **Lee D**, Psotta R, and Vagaja M. Motor Skills Interventions in Children with Developmental Coordination Disorder: A Review Study. *European Journal of Adapted Physical Activity*. 2016; 9(2): 20-29. <http://doi.org/10.5507/euj.2016.007>

Refereed Conference Proceedings

- **Lee D**, Frey GC, Cheng A, and Shih PC. Puzzle Walk: A Gamified Mobile App to Increase Physical Activity in Adults with Autism Spectrum Disorder. In Proceedings of the 10th International Conference on Virtual Worlds and Games for Serious Applications (VS-Games). September 2018; 1-4. Wurzburg, Germany. IEEE. <https://doi.org/10.1109/VS-Games.2018.8493439> [24% Acceptance Rate].

Other Publications

- **Lee D** and McNulty L*. Move More and Sit Less. *Organization for Autism Research (OAR) OARacle Newsletter*. 05/07/2025. <https://researchautism.org/oaracle-newsletter/move-more-and-sit-less/> [Invited Article].
- **Lee D**, Zmudy M, Oh J, and Bryant LG. Increasing Physical Activity in K-12 Students with Autism. *PHE America*. 05/25/2021. <http://www.pheamerica.org/2021/increasing-physical-activity-in-k-12-students-with-autism/>

Manuscripts Under Review

- Boudier S*, McNulty L*, and **Lee D**. (Under review). Insomnia Severity and Its Association with Gaming Behavior and Perceived Health in Autistic Adults. *BMC Psychology*.
- McNulty L*, Kim B, Bodde AE, Mauriello LM, Dominick D, Bhat A, Katz S, and **Lee D**. (Under review).

Gamified Digital Health Interventions for Physical Activity and Sedentary Behavior Changes in Individuals with Autism Spectrum Disorder: A Scoping Review. *Games for Health Journal*.

Manuscripts in Preparation

- Palmer L*, McNulty L*, Kayatta S*, and **Lee D.** (Manuscript writing stage). Parental Self-Efficacy in Promoting Physical Activity in Their Adult Children with Moderate-to-Profound Intellectual Disability: A Mixed-Methods Study Guided by the COM-B Model.
- **Lee D.**, Shin JC, McNulty L*, and Bhat A. (Data analysis stage). Context-Specific Patterns of Objectively Measured Physical Activity and Sedentary Time in Autistic Adults.
- McNulty L*, Ji X, and **Lee D.** (Data analysis stage). Systemizing Traits as a Predictor of Gaming Behavior and Its Association with Sedentary Behavior and Sleep in Autistic Adults with and without Mild Intellectual Disabilities.
- **Lee D.**, Kim B, McNulty L*, Kathiravan S*, and Mauriello LM. (Data analysis stage). Step Count Comparison between iPhone Health App and Wrist-Worn Research-Grade Accelerometer among Autistic Adults in Real-World Settings.

Books

- Song H, Go B, Lee M, Kim G, Park S, ... and **Lee D.** *The Exercise Guidelines for Fitness Promotion of Korean Adolescents*. Seoul, South Korea. Korea Institute of Sport Science; 2013.

PRESENTATIONS (*denotes student advisee)

Refereed Presentations at International & National Conferences / Published Abstracts

- McNulty L*, Kathiravan S*, Mauriello LM, Bhat A, Vasudevan V, Obrusnikova I, Suminski RR and **Lee D.** A Community-Based Participatory Approach to Developing a Gamified Mobile Health Intervention for Increasing Physical Activity and Reducing Sedentary Behavior in Autistic Adults. Technology Demonstration at: International Society for Autism Research (INSAR) 2025 Annual Meeting; April 2025; Seattle, WA.
- McNulty L*, Kathiravan S*, Ji X, Bhat A, and **Lee D.** Gaming Disorder as a Predictor of 24-Hour Movement Behaviors in Autistic Adults with and without Mild Intellectual Disabilities. Poster Presentation at: INSAR 2025 Annual Meeting; April 2025; Seattle, WA.
- Bodde A, Ptomey L, Washington S, Fleming V, McNulty L*, Kathiravan S*, and **Lee D.** Impacts of Lifestyle Factors on Cognitive Outcomes in Adults with Intellectual and Developmental Disabilities: Insights for Intervention Strategies. Symposium Presentation at: 2025 Gatlinburg Conference on Research in Intellectual and Developmental Disability; April 2025; San Diego, CA.
- **Lee D.**, Voermans-Dean H*, Lee JE, and Dominick G. Does the Placement Matter? Comparison of ActiGraphy Watches Worn on Dominant and Non-Dominant Wrists of Young Adults in Free-Living Environments. Poster Presentation at: International Conference on Ambulatory Monitoring of Physical Activity and Movement; June 2024; Rennes, France.
- Lee JE, Larson H*, and **Lee D.** Acute Effects of Immersive Virtual Reality Exercise on Physiological and Psychological Outcomes of College Students with Anxiety or Depression: A Pilot Study. Thematic Poster Presentation at: American College of Sports Medicine 2024 Annual Meeting; May 2024; Boston, MA.
- **Lee D.**, Voermans-Dean H*, Lee JE, and Dominick G. Comparison of ActiGraph CentrePoint Insight Watches Worn on Dominant and Non-Dominant Wrists in Free-Living Environments. Oral Presentation at: International Society for the Measurement of Physical Behaviour Fall Symposium; October 2023; Virtual Meeting.
- Johnson B, ... **Lee D.** and Verswijveren SJ. Challenges, Needs, and Opportunities for Emerging Behavioural Nutrition and Physical Activity Researchers in (Post-)Pandemic Times. Poster Presentation at: International Society of Behavioral Nutrition and Physical Activity Annual Meeting; June 2023; Uppsala, Sweden.
- **Lee D.**, Paulson L, and Wendinger PJ. Sustainable University-Public School Partnership to Improve Pre-service Teachers' Practicum Experience. Poster Presentation at: SHAPE America 2022 National Convention & Expo; April 2022; New Orleans, LA.
- **Lee D.** and Hwang BH. Association between Motor and Language Skills in Children with Autism Spectrum Disorder: A Scoping Review. Oral Presentation at: International Symposium of Adapted Physical Activity 2021; June 2021; Jyväskylä, Finland (Virtual).

- Lee JE, Zeng N, Oh Y, **Lee D**, and Gao Z. Effects of Pokémon Go on Physical Activity and Health Outcomes: A Systematic Review. Oral Presentation at: International Society of Behavioral Nutrition and Physical Activity XChange 2021 Annual Meeting; June 2021; Virtual Conference.
- **Lee D**, Frey GC, Cothran DJ, Harezlak J, and Shih PC. A Gamified Mobile App for Increasing Physical Activity and Reducing Anxiety in Adults with Autism. e-Poster Presentation at: American College of Sports Medicine 2021 Annual Meeting; June 2021; Washington, D.C (Virtual).
- Frey GC, **Lee D**, Cothran DJ, Harezlak J, and Shih PC. Concordance between Accelerometer-Derived and Self-Reported Physical Activity and Sedentary Time in Adults with Autism. e-Poster Presentation at: American College of Sports Medicine 2021 Annual Meeting; June 2021; Washington, D.C (Virtual).
- Ravizza D and **Lee D**. Make it Yourself: Adaptive Physical Education Equipment Development for Children with Severe Disabilities. e-Poster Presentation at: 2021 National Consortium for Physical Education for Individuals with Disabilities; February 2021; Virtual Conference.
- **Lee D**, Shih PC, Kim B, Han K, Min A, Cothran DJ, Bellini S, and Frey GC. Objectively Measured Physical Activity and Sedentary Time in Adults with Autism Spectrum Disorder. e-Poster Presentation at: American College of Sports Medicine 2020 Annual Meeting; May 2020; San Francisco, CA (Virtual).
- **Lee D**, Cothran DJ, Bellini S, Shih PC, Han K, Kim B, Min A, Paik S, and Frey GC. Ecological Momentary Assessment of Physical Activity, Sedentary Time, and Anxiety in Adults with Autism Spectrum Disorder. e-Poster Presentation at: INSAR 2020 Annual Meeting; May 2020; Seattle, WA (Virtual).
- **Lee D**, Kennedy JM, Cothran DJ, Shih PC, Dickinson S, Golzarri-Arroyo L, and Frey GC. Association between Sedentary Behavior and Cardiovascular Disease Risk in Adults with Autism Spectrum Disorder. Poster Presentation at: International Society of Behavioral Nutrition and Physical Activity 2019 Annual Meeting; June 2019; Prague, Czech Republic.
- **Lee D**, Cothran DJ, Kennedy JM, Shih PC, Golzarri-Arroyo L, Dickinson S, and Frey GC. Association between Physical Activity, Sedentary Time, and Technology Use in Adults with Autism Spectrum Disorder. Poster Presentation at: INSAR 2019 Annual Meeting; May 2019; Montreal, Canada.
- **Lee D**, Shih PC, Bellini S, Min A, Cothran DJ, and Frey GC. Interactive Development of a Technology- Guided Intervention to Increase Physical Activity and Reduce Anxiety in Adults with Autism Spectrum Disorder. 40-Minute Mini Lecture at: 2018 North American Symposium of Adapted Physical Activity; October 2018; Corvallis, OR.
- **Lee D**, Kennedy JM, Cothran DJ, Chomistek AK, Shih PC, Min A, and Frey GC. Physical Activity, Technology Use, and Cardiovascular Risk in Adults with Autism Spectrum Disorder: A Mixed Methods Study. Oral Presentation at: 2018 North American Symposium of Adapted Physical Activity; October 2018; Corvallis, OR.
- **Lee D**, Psotta R, and Vagaja M. Motor Skills Interventions in Children with Developmental Coordination Disorder: A Review Study. Poster Presentation at: 2016 North American Symposium of Adapted Physical Activity; September 2016; Edmonton, Canada.
- Lee M, Park K, Park C, **Lee D**, and Choi M. Validity Evidence of Children's OMNI Perceived Exertion Scale. Poster Presentation at: 2014 AAHPERD National Convention & Expo; April 2014, St. Louis, MO.
- **Lee D**, Lee M, Han M, Roh H, Kim D, and Choi M. Inaccuracy of an Accelerometer to Measure Physical Activity in Korean Older Adults with Physical Disabilities. Oral Presentation at: 19th International Symposium of Adapted Physical Activity; July 2013; Istanbul, Turkey.
- Choi M, Lee M, Han M, Park J, Kim I, and **Lee D**. Validity Evidence of an Accelerometer to Estimate Physical Activity. Oral Presentation at: 19th International Symposium of Adapted Physical Activity; July 2013; Istanbul, Turkey.
- Lee M, Lee DT, Park C, and **Lee D**. Validity Evidence of Omron Pedometer HJ-720ITC for Korean Children: A Preliminary Study. Poster Presentation at: 4th International Congress on Physical Activity and Public Health; October 2012; Sydney, Australia.

Refereed Presentations at National Conferences on Professional Education & Undergraduate Research

- Ravizza D and **Lee D**. Just Adapt! Skill Progression Management System for Including Adaptive Sports in General Physical Education. 60-Minute Workshop Presentation at: 2024 Move United Education Conference; April 2024; Phoenix, AZ.
- Voermans-Dean H*, Lee JE, and **Lee D**. A Comparison of ActiGraph Accelerometers Worn on Non-Dominant and Dominant Wrists in Free-Living Conditions. Poster Presentation at: 2023 National Conference on

Undergraduate Research; April 2023; Eau Claire, WI.

- Larson H*, Lee JE, and **Lee D.** Virtual Reality Exercise Effects on College Students with Anxiety and Depression. Poster Presentation at: 2023 National Conference on Undergraduate Research; April 2023; Eau Claire, WI.
- Footit E*, Lee JE, and **Lee D.** Parental Perceptions of Physical and Outdoor Activities in Their Adult Child with Autism and Intellectual Disability. Oral Presentation at: 2023 National Conference on Undergraduate Research; April 2023; Eau Claire, WI.
- Ravizza D and **Lee D.** Infusing Adaptive Sports into The General Physical Education Curriculum. 60-Minute Workshop Presentation at: 2022 Move United Education Conference; May 2022; Colorado Springs, CO.

Regional Conference Presentations, Workshops, & Campus Talks

- Ng A*, McNulty L*, Kathiravan S*, and **Lee D.** Characteristics of Mobile App Use and Preferences for Mobile Health to Promote Physical Activity Among Autistic Adults: A Conventional Content Analysis. Poster Presentation at: Delaware INBRE Research Symposium, August 2025; Newark, DE.
- Palmer L*, Tubbs M*, Katatta S*, McNulty L*, and **Lee D.** Parental Self-Efficacy in Promoting Physical Activity in Their Adult Children with Moderate-to-Profound Intellectual Disability: A Mixed-Methods Study Guided by the COM-B Model. Poster Presentation at: UD College of Health Sciences Research & Innovation Day, March 2025; Newark, DE.
- McNulty L*, Kathiravan S*, and **Lee D.** A Gamified mHealth Intervention to Promote Physical Activity and Reduce Sedentary Behavior in Autistic Adults: Protocol for a Remotely Delivered Pilot Intervention Study. Poster Presentation at: UD College of Health Sciences Research & Innovation Day, March 2025; Newark, DE.
- Kathiravan S*, McNulty L*, and **Lee D.** Gaming Behavior as a Predictor of 24-Hour Movement Behaviors in Autistic Adults with and without Mild Intellectual Disabilities. Poster Presentation at: UD College of Health Sciences Research & Innovation Day, March 2025; Newark, DE.
- Boudier S*, McNulty L*, and **Lee D.** Prevalence of Insomnia and Its Associations with Gaming Behavior and Perceived Health in Autistic Adults. Poster Presentation at: UD College of Health Sciences Research & Innovation Day, March 2025; Newark, DE.
- Shin JC, Barreira T, and **Lee D.** Harnessing Wearables for Enhanced Physical Activity Insights. Symposium Presentation at: Mid-Atlantic Regional Chapter of American College of Sports Medicine (MARC-ACSM), November 2024; Lancaster, PA.
- **Lee D.** Navigating the Academic Job Market. Oral Presentation at: HBNS PhD Professional Development Workshop, May 2024; Newark, DE.
- Boudier S*, Melough M, and **Lee D.** Perceptions of Physical Activity Participation and Technology Use in Autistic Adults. Poster Presentation at: UD College of Health Sciences Research & Innovation Day, March 2024; Newark, DE.
- Kayatta S*, Obrušnikova I, Suminski RR, Bhat A, and **Lee D.** Community-Engaged Collaborative Workshops for mHealth Intervention Development to Increase Physical Activity and Reduce Sedentary Behavior among Autistic Adults. Poster Presentation at: UD College of Health Sciences Research & Innovation Day, March 2024; Newark, DE.
- **Lee D.** Preliminary Effects of a Gamified mHealth Intervention on Increasing Physical Activity and Reducing Anxiety in Autistic Adults. Oral Presentation at: BHAN 860 Graduate Research Seminar; UD Department of Health Behavior and Nutrition Sciences, December 2023; Newark, DE.
- **Lee D.** Team Building Adapted Physical Activity for All. Workshop Presentation at: Northern Lights Special Education Cooperative Mentoring Day; Fond du Lac Tribal and Community College, March 2023; Cloquet, MN.
- Shih PC, **Lee D.**, and Frey GC. Mobile Technologies for Health Informatics. Oral Presentation at: Informatics Colloquium Series; Indiana University Luddy School of Informatics, Computing, and Engineering, September 2022; Bloomington, IN.
- Massie J*, Miller D*, Selman L*, Hinnenkamp E*, Ryan L*, and **Lee D.** Adaptive Sports for K-12 Physical Education. Workshop Presentation at: Northern Lights Special Education Cooperative DAPE Training; Independent School District 704, April 2022; Proctor, MN.
- **Lee D.** Gamified mHealth for Recreational Physical Activity Promotion in People with Autism Spectrum Disorder. Oral Presentation at: Sports Technology Research Lab Co-Design Workshop; University of Calgary, May 2021;

Virtual Meeting.

- **Lee D**, Paulson L, Wendinger P, Johnson J*, Massie J*, and Schliemann S*. Simple Icebreaker Activities for All. Pre-Recorded Instructional Video Presentation at: 45th Minnesota Developmental Adapted Physical Education Conference; September 2020; Virtual Meeting.
- **Lee D**, Paulson L, Wendinger P, Johnson J*, Massie J*, and Schliemann S*. A Gamified Mobile App PuzzleWalk for Increasing Physical Activity and Reducing Sedentary Behavior in Transitional Age Youth with Autism Spectrum Disorder. Pre-Recorded Oral Presentation at: 45th Minnesota Developmental Adapted Physical Education Conference; September 2020; Virtual Meeting.
- Michael S*, Frey GC, Shih PC, and **Lee D**. Iterative Development of a Gamified, Behavioral Change Techniques-Based Mobile App PuzzleWalk for Increasing Physical Activity in Adults with Autism Spectrum Disorder. Poster Presentation at: 2019 Student Research Poster Competition; Center of Excellence for Women and Technology, IUB, April 2019; Bloomington, IN [Won 2nd Place in Technology and Computing Field].
- **Lee D**, Cheng A, Kariyattin S, and Tilak S. Physical Activity Application for People on the Spectrum. Poster Presentation at: 2017 Fall Research Symposium; Luddy School of Informatics, Computing, and Engineering, IUB, November 2018; Bloomington, IN [Awarded Judges Choice of Most Potential for Social Good, Top 6 Out of 121 Projects].
- **Lee D**. Is Pokémon Go Beneficial for Increasing Physical Activity in Children with Developmental Disabilities? Oral Presentation at: 2016-17 Movement Sciences Meeting; School of Public Health, IUB, November 2016; Bloomington, IN.
- **Lee D**. Effects of Short-Term Exercise Interventions on Motor Performance of Children with Developmental Coordination Disorder. Oral Presentation at: 5th International Students Conference Full of Colors; December 2015; Olomouc, Czech Republic [Awarded Best Conference Presentation].

Invited Talks

- **Lee D**. Gamified Mobile Health Strategies for Promoting Physical Activity in Autistic Adults in Real-World Settings. Invited Talk at: Department of Community and Population Health, Lehigh University, April 2025; Bethlehem, PA.
- **Lee D**. Physical Activity Measurement and Promotion in Non-Autistic and Autistic Adults Using Accelerometry and Gamified mHealth System. Invited Talk at: Physical Activity and Intellectual and Developmental Disabilities Research Network, March 2024; Virtual Meeting.
- **Lee D**. Leveraging mHealth to Improve Physical Activity and Health in Adults with Autism Spectrum Disorder. Invited Talk at: Thought Leadership Summit on Aging and Autism; Autism Speaks, June 2022; Virtual Meeting.
- **Lee D**. Gamified Behavior Change App for Physical Activity Promotion in Adults with Autism Spectrum Disorder. Invited Talk at: Innovative Solutions for Improving Quality of Life for Autistic Individuals Symposium; Autism Aspergers Friendship Society & University of Calgary, May 2022; Calgary, Canada.
- **Lee D**. Autism Spectrum Disorder and Physical Activity. Invited Talk at: School of Public Health Lunar Dinner (Dean's Invitation); IUB, August 2019; Bloomington, IN.
- **Lee D**. Iterative Development of a Gamified, Behavior Change Techniques Based Mobile App PuzzleWalk and Other Health Technologies for Individuals with Autism Spectrum Disorder. Invited Talk at: Purdue Autism Research Cluster Seminar; Purdue University, March 2019; West Lafayette, IN.

GRANT ACTIVITIES

* = *Extramural funding*

Funded

- Maggie E. Neumann Health Sciences Research Fund 08/01/2024-07/31/2026
Sponsoring Organization: UD College of Health Sciences
Feasibility and Acceptability of a Gamified Mobile Health Intervention for Increasing Physical Activity and Reducing Sedentary Behavior in Autistic Adults with and without Mild Intellectual Disabilities
Role: PI
Total Funds Awarded: \$52,145.
- *Autism Scholars & Pilot and Feasibility Grant (#15570000118457) 09/01/2023-08/31/2025

Sponsoring Organization: Autism Intervention Research Network on Physical Health under HRSA
A Self-Determination Theory-Guided mHealth Intervention to Improve Uptake and Sustainability of Physical Activity Engagement and Reduce Sedentary Behavior in Autistic Adults

Role: PI

Total Funds Awarded: \$50,000.

- Early Innovation Fund

Sponsoring Organization: University of Minnesota Technology Commercialization

PuzzleWalk – Gamified mHealth Intervention to Improve Health in Autistic Adults

Role: PI

Total Funds Awarded: \$10,000. (Declined due to relocation to UD)

01/16/2023
- Grant-in-Aid of Research, Artistry and Scholarship

Sponsoring Organization: University of Minnesota Office of the Vice President for Research

Effects of A Gamified Incentive-Based App on Increasing Physical Activity and Reducing Depression in Adults with Autism

Role: PI

Total Funds Awarded: \$38,671.

07/01/2022–06/30/2023
- *Van Gorden Outreach Fund

Sponsoring Organization: Miller-Dwan Foundation

Community-Engaged Physical Literacy Education for Children with Disabilities

Role: PI

Total Funds Awarded: \$9,100.

07/01/2022-06/30/2023
- College Technology Funds

Sponsoring Organization: UMD College of Education and Human Service Professions (CEHSP)

Inclusive Adapted Sports for Disability Appreciation and Social Integration

Role: Principal Instructor

Total Funds Awarded: \$8,124.

08/29/2022-12/16/2022
- The ‘U’ is for You Grant

Sponsoring Organization: University of Minnesota Clinical and Translational Science Institute

Inclusive Adapted Physical Activity for Children of All Abilities

Role: PI

Total Funds Awarded: \$5,000.

09/01/2021-08/31/2022
- College Technology Funds

Sponsoring Organization: UMD CEHSP

Video Modeling for Adapted Physical Education Teaching Practicum

Role: Principal Instructor

Total Funds Awarded: \$4,091.

01/13/2021-05/07/2021
- *ACSM Foundation Doctoral Student Research Grant

Sponsoring Organization: American College of Sports Medicine (ACSM)

A Gamified Mobile App Intervention to Increase Physical Activity and Reduce Anxiety in Adults with ASD

Role: PI

Total Funds Awarded: \$5,000.

07/01/2020–06/30/2021
- *Woodcock Institute Research Grant

Sponsoring Organization: Woodcock Institute for Advancement of Neurocognitive Research and Applied Practice

Association between Motor Skills and Elementary Literacy Development in Children with ASD

Role: PI (Co-PIs: Smith and Hwang)

Total Funds Awarded: \$14,869.

01/01/2020–08/31/2021

Pending

- *R21 PA-25-304 Exploratory/Developmental Research Grant

Sponsoring Organization: National Institutes of Health

PuzzleWalk 2.0: Advancing Mobile Health to Promote Brain Training and Physical Activity for Building Cognitive Reserve in Adults with Down Syndrome

Role: MPI (MPI: Helsel)

Total Funds Requested: \$439,467. (Resubmitted; July 2025)

- *BluePrints for Community Grant
Sponsoring Organization: Highmark Blue Cross Blue Shield Delaware
Leveraging Intergenerational Connections to Promote Physical Activity and Social and Emotional Wellbeing among Community-Dwelling Aging Adults with Chronic Illness
Role: Co-PI (PIs: Ratnayake and Orsega-Smith)
Total Funds Requested: \$100,000. (June 2025)
- Clinical and Translational Pilot Grant
Sponsoring Organization: Delaware CTR ACCEL
A Gamified mHealth Intervention for Physical and Mental Health in Autistic Adults
Role: PI
Total Funds Requested: \$128,000. (May 2025)

Not Funded

- General University Research
Sponsoring Organization: UD Research Office
Multisensor Wearable-Measured 24-Hour Movement Behaviors and Their Associations with Anxiety Symptoms in Autistic Adults
Role: PI
Total Funds Requested: \$15,000. (February 2025)
- UDRF Strategic Initiatives
Sponsoring Organization: UD Research Office
Enhancing the Wearable-Based Activity Detection System for Quantifying Physical Activity and Sedentary Behavior of Adults with Spinal Cord Injury
Role: PI (Co-PIs: Dominick and Decker)
Total Funds Requested: \$55,000. (October 2023)
- *R03 PA-21-199 Research on Autism Spectrum Disorders
Sponsoring Organization: National Institutes of Health
Association between Physical Activity, Sedentary Behavior, and Depression in Adults with Autism
Role: MPI (MPI: Kim)
Total Funds Requested: \$161,963. (February 2022, Scored)
- *Pilot Innovation Grant
Sponsoring Organization: American Foundation for Suicide Prevention
Gamified Behavior Change App to Increase Physical Activity and Reduce Suicide Risk in Adults with Autism
Role: PI (Co-PI: Kim)
Total Funds Requested: \$30,000. (November 2020)
- *19-589 Cyber-Human Systems Small Grant
Sponsoring Organization: National Science Foundation
Walk and Play: Gamified Health Behavior Change App to Increase Physical Activity and Reduce Anxiety in Adults with ASD
Role: Key personnel (Co-PIs: Shih and Frey)
Total Funds Requested: \$499,959. (November 2019)
- *Predoctoral Research Fellowship
Sponsoring Organization: Autism Speaks
Technology Guided Physical Activity for Improving Sleep Quality in Adults with ASD
Role: PI
Total Funds Requested: \$69,924. (April 2019, Shortlisted)

RESEARCH EXPERIENCE

University of Delaware

Principal Investigator

Newark, DE
2023 – Present

- Mobile and Wearable Technologies for Behavioral Health Measurement and Promotion
- Gamified Digital Interventions for Promoting Healthy 24-Hour Movement Behaviors and Social–Emotional Well-Being in Individuals with Disabilities

University of Minnesota Duluth

Principal Investigator

Duluth, MN
2021 – 2023

- Association between Fundamental Motor and Language Skills in Children with ASD
- Effects of Gamified Incentive-Based mHealth Interventions on Promoting Physical and Mental Health in People with and without Disabilities

Indiana University-Bloomington

Doctoral Researcher

Bloomington, IN
2016 – 2020

- Development and Preliminary Evaluation of *PuzzleWalk 1.0*: A Gamified mHealth App to Promote Free-Living Physical Activity in Autistic Individuals

Research Assistant (Advisor: Dr. Georgia Frey)

- A Pilot Study to Assess Physical Activity, Mobile Technology Use, and Cardiovascular Disease Risk in Adults with ASD [Funded by Institute for Advanced Study, IUB]

Palacký University

Research Assistant (Advisor: Dr. Rudolf Psotta)

Olomouc, Czech Republic
2015

- Gross Motor Skills Assessment of Czech Children with Developmental Coordination Disorder using the Movement Assessment Battery for Children 2nd Edition (MABC-2) and Dartfish Motion Analysis Software [Funded by Palacký University Science Foundation]

Korea Institute of Sport Science

Research Assistant (Advisor: Dr. Hongseon Song)

Seoul, South Korea
2013 – 2014

- Development of Exercise Guidelines for Korean Adolescents

Kookmin University Kinesmetrics Lab

Research Assistant (Advisor: Dr. Miyoung Lee)

Seoul, South Korea
2011 – 2013

- Development of Adapted Physical Activity Guidelines for People with Disabilities in Seoul [Funded by National Research Foundation of Korea]
- Development of A Community-Wide Physical Activity Instructor Training Program and Management System: “서울시 애들아 뛰어놀자” [Funded by City of Seoul]
- Development of Physical Activity Guidelines for Children and Seniors in Seoul: A Final report [Funded by National Research Foundation of Korea]
- Validity Assessment of Physical Activity Measurement Tools (e.g., Omron HJ-720itc Pedometers, ActiGraph GT3X Accelerometers, and a K4B2 Portable Metabolic Analyzer) and Estimation of Eligible Amount of Physical Activity for Children [Funded by National Research Foundation of Korea]
- Development of Assessment Tools and Monitoring System to Promote Physical Activity of Children in Seoul [Funded by City of Seoul]

TEACHING EXPERIENCE

University of Delaware

Assistant Professor

Newark, DE
2023 – Present

- HBNS 342 Introduction to Adapted Physical Activity (4 semesters; 2 honors section)
[Awarded \$300 Honors Course Enrichment Funds for a Project “Community-Based Postsecondary Education Program for Physical Activity Promotion in Transition-Aged Young Adults with Intellectual and Developmental

Disabilities”, 02/2024 – 05/2024]

- HBNS 240 Fundamental Movement Skills (1 semester)
- HBNS 366/466 Independent Study (1 semester)
- HBNS 403 Practicum in Adapted Physical Activity (3 semesters)
- HBNS 868 PhD Research (3 semesters)

Guest Lectures

- HBNS201 Food Concepts, “Subject Matter Expert on Korean Cuisine”, 11/07/25
- BHAN 160 Health Behavior Science Seminar, “Introduction to Physical Activity and Autism Research”, 09/20/23
- HLPR 809 Health Behavior, “Leveraging mHealth to Improve Physical Activity and Health in Autistic Adults”, 09/19/23

University of Minnesota Duluth

Duluth, MN

Assistant Professor

2021 – 2023

†= Course newly developed and taught

- PETE 1006 Teaching Aquatic & Adapted Activities (2 semesters; co-teaching)
- †PETE 3200 Developmental Movement: Concepts and Experiences (2 semesters; 1 online)
- PETE 3400 Adapted Physical Education (2 semesters)
[Awarded \$500 Collaborative Online International Learning Funds for a Project “International Learning Partnership for Adapted Physical Education”, 01/2021 – 05/2021]
- †PETE 3450 Teaching Students with Disabilities (3 semesters; 1 online)
- †PETE 3550 Assessment in Adapted Physical Education (2 semesters)
- PETE 4991 Independent Study (1 semester)
- †PETE 4996 Internship in Adapted Physical Education (2 semesters)

Guest Lectures

- PETE 1000 Introduction and Foundations of Physical Education, “Intro to Adaptive Sports”, 10/14/2021; 11/17/2022
- PETE 3400 Adapted Physical Education, “Preparing Qualified and Effective APE Teachers”, 09/30/2020

Indiana University-Bloomington

Bloomington, IN

Associate Instructor

2016 – 2020

- SPH K-398 Adapted Physical Education (8 semesters)
- SPH K-385 Practicum in Adapted Physical Education (8 semesters)
- SPH K-524 Exercise and Physical Activity for People with Disabilities (2 semesters; graduate course)

Indiana University Adapted Physical Activity (IUAPA) Program Coordinator

- Coordinated teaching and lab responsibilities for 30 undergraduate students and supervised 15 peer mentor staff each semester. The IUAPA program is designed to serve children with developmental disabilities and their families who live in Monroe County, IN and to prepare undergraduate students in Kinesiology major and other health-related programs to work with people with various movement challenges.

Kookmin University

Seoul, South Korea

Principal Instructor

2012 – 2013

- Developed a ‘City of Seoul Physical Activity Instructor Training Program’ and taught elementary school educators recreational sports and inclusive physical activities.

Jeong-Duk Elementary School (K-12)

Seoul, South Korea

Adapted Physical Education Teacher

2010 – 2011

- Taught elementary school students with developmental disabilities fundamental motor skills and inline skating.

MEDIA COVERAGE

- “UD’s Health, Physical Activity and Disability Minor” *University of Delaware YouTube Channel*. 05/22/2025.
<https://www.youtube.com/watch?v=WT4dwR11IG4>
- “Gaming for Health: How a UD-Created Gamified Mobile Health App is Inspiring Autistic Adults to Stay Active” *UDaily*. 01/14/2025.
<https://www.udel.edu/udaily/2025/january/daehyoung-lee-gamified-mobile-health-app-puzzlewalk-autism/>
- “15 Ground-Breaking Video Games Modernizing Healthcare” *Chaos Theory Games*. 07/01/2022.
<https://www.chaostheorygames.com/blog/15-groundbreaking-video-games-modernising-healthcare>
- “Striving to Serve All Students” *UMD CEHSP News*. 10/27/2021.
<https://cehsp.d.umn.edu/articles/adapted-pe-practicum>
- “Health Video Games Could Change How We Treat Patients- But Doctors Still Need to Be Convinced” *Business Insider*. 08/04/2021.
<https://www.businessinsider.com/health-video-games-mental-health-children-digital-therapeutics-2021-8>
- “App Gives Autistic a Way to Promote Physical Activity” *Jonesboro Sun Newspaper*. 07/07/2021.
https://www.jonesborosun.com/news/app-gives-autistic-a-way-to-promote-physical-activity/article_1726f206-935b-57e7-8e3c-f71a4f6ae647.html
- “New UMD Minor Aims to Equip More Teachers on Meeting Needs of Students with Disabilities” *Duluth News Tribune*. 02/07/2021.
<https://www.duluthnewtribune.com/news/education/6861536-New-UMD-minor-aims-to-equip-more-teachers-on-meeting-needs-of-students-with-disabilities>
- “Keep Calm and Stay Adapted” *UMD CEHSP News*. 01/19/2021.
<https://cehsp.d.umn.edu/articles/adapted-pe-minor>
- “Can Video Games Help You Level Up Your Health?” *American Heart Association News*. 10/28/2020.
<https://www.heart.org/en/news/2020/10/28/can-video-games-help-you-level-up-your-health>
- “IU Researcher Creates Health App to Aid Those on Autism Spectrum.” *Bloom Magazine*. 03/29/2020.
<https://www.magbloom.com/2020/03/iu-researcher-creates-health-app-to-aid-those-on-autism-spectrum/>
- “PhD Candidate Creates Gamified Health App.” *Indiana Daily Student*. 11/12/2019.
<https://www.idsnews.com/article/2019/11/p-h-d-candidate-creates-gamified-health-app>
- “Doctoral Student Daehyoung Lee Awarded Indiana University John H. Edwards Fellowship.” *IU School of Public Health-Bloomington News*. 08/09/2018.
https://blogs.iu.edu/iusph/2018/08/09/student_award/

PROFESSIONAL AFFILIATIONS

American College of Sports Medicine
 International Society for Autism Research
 International Federation of Adapted Physical Activity
 International Society of Behavioral Nutrition and Physical Activity
 Mid-Atlantic Regional Chapter of American College of Sports Medicine

PROFESSIONAL SERVICE

	Service to Department / College / University
2025	Member, Health Behavior Science Continuing Track Faculty Search Committee, HBNS, UD
2025 - Present	Director, Health, Physical Activity and Disability (HPAD) Minor Program, HBNS, UD
2024 - Present	Member, Awards and Recognition Committee, College of Health Sciences, UD
2024 / 2025	Abstract Reviewer, College of Health Sciences Research & Innovation Day, UD
2023 - Present	Member, Health Behavior Science Graduate Program Committee, HBNS, UD
2023	Campus Representative, Vice Provost for Public Engagement Search Committee, Office of the Executive Vice President and Provost, University of Minnesota
2022	College Representative, Public Engagement Coordinator Search Committee, Office of Academic Affairs, UMD
2022 - 2023	Reviewer, Grant Proposal Feedback Network, CEHSP, UMD

2022	Member, Merit Rubric Revision Committee, Department of Applied Human Sciences, UMD
2021 - 2023	Coordinator, Developmental Adapted Physical Education Minor Program, Department of Applied Human Sciences, UMD
2021 - 2023	Member, Technology Council, CEHSP, UMD
2021 - 2022	College Representative, Campus Athletics Committee, UMD
2021 - 2023	Faculty Representative, Community Advisory Council on Teacher Education, CEHSP, UMD

External Service to Profession

2025 - Present	Editorial Board Member, Journal of Autism and Developmental Disorders
2023 - 2025	Member, Research Methodology for Technology-Assisted Physical Activity and Exercise Interventions in Old Age, European Network on Evidence-Based Physical Activity in Old Age (PhysAgeNet)
2023	Review Editor of Digital Public Health, Frontiers in Public Health Journal
2021 - 2023	Communication Committee Member, Network of Early Career Researchers and Students (NESI) of International Society of Behavioral Nutrition and Physical Activity (ISBNPA)
2020 - 2023	Adapted Physical Activity Innovation Project Mentor, Mount Royal University & KU Leuven

Ad Hoc Reviewer for Peer-Reviewed Journals & Conferences

2017 - Present	<i>Adapted Physical Activity Quarterly</i>
	<i>Behaviour and Information Technology</i>
	<i>BMJ Open</i>
	<i>Disability and Health Journal</i>
	<i>Disability and Rehabilitation: Assistive Technology</i>
	<i>European Journal of Adapted Physical Activity</i>
	<i>Frontiers in Psychiatry</i>
	<i>Intellectual and Developmental Disabilities</i>
	<i>International Journal of Developmental Disabilities</i>
	<i>International Journal of Human-Computer Interaction</i>
	<i>Journal of Autism and Developmental Disorders</i>
	<i>Journal of Medical Internet Research (mHealth and uHealth, Serious Games, & Research Protocols)</i>
	<i>Journal of Physical Activity and Health</i>
	<i>Mental Health and Physical Activity</i>
	<i>Palaestra</i>
	<i>PLOS One</i>
	<i>Research in Autism (Formerly known as Research in Autism Spectrum Disorders)</i>
	<i>The ACM Computer-Human Interaction (CHI) Conference on Human Factors in Computing Systems</i>

Advising & Mentoring

Doctoral Dissertation Committee

2024 - Present	Lia McNulty, Health Behavior Science and Promotion PhD, UD (Role: Chair)
	<u>[Received INSAR 2025 Student and Trainee Workshop Travel Award (\$300)]</u>
	<u>[Received UD College of Health Sciences 2025 Summer Scholarship (\$6,000)]</u>

Graduate and Undergraduate Research

2025 - Present	Angelina Ng, Undergraduate Research Assistant, PATA Lab, Health Behavior Science BS, UD
	<u>[Received Delaware IDeA Network for Biomedical Research Excellence (INBRE) 2025 Summer Scholarship (\$6,000), Role: Faculty Advisor]</u>
2024 - Present	Swetha Kathiravan, Graduate Research Assistant, PATA Lab, Neuroscience MS, UD
2024 - 2025	Lauren Palmer, Undergraduate Research Assistant, PATA Lab, Health Behavior Science BS, UD
	<u>[Received UD Health Behavior Science Hager Award (\$500), Role: Faculty Advisor]</u>
2023 - 2025	Sophia Kayatta, Graduate Research Assistant, PATA Lab, Health Promotion MS, UD
2023 - 2025	Sydney Boudier, Graduate Research Assistant, PATA Lab, Health Promotion MS, UD
2023 - 2024	Claire Reader, Undergraduate Research Assistant, PATA Lab, Health Behavior Science BS, UD

2023 - 2024	James Evans, Undergraduate Research Assistant, PATA Lab, Exercise Science BS, UD
2023 - 2024	McKenzie Tubbs, Undergraduate Research Assistant, PATA Lab, Health Behavior Science BS, UD [Received UD Health Behavior Science Hager Award (\$500), Role: Faculty Advisor]
2022 - 2023	Haley Voermans-Dean, Undergraduate Researcher, Exercise and Rehabilitation Science BS, UMD [Received University of Minnesota Undergraduate Research Opportunities Program (UROP) Award (\$1,500), Role: Faculty Advisor]
2022 - 2023	Hanna Larson, Undergraduate Researcher, Exercise and Rehabilitation Science BS, UMD [Received University of Minnesota UROP Award (\$1,800), Role: Faculty Co-Advisor]
2022 - 2023	Emma Footit, Undergraduate Researcher, Physical Education Teacher Education BS, UMD [Received University of Minnesota UROP Award (\$1,500), Role: Faculty Advisor]

COMMUNITY SERVICE

2023 - Present	Faculty Advisor, 'Yes U Can' Corporation/ UD Registered Student Organization, DE
2022	Volunteer Instructor, Courage Kenny Adaptive Ski Program, MN
2021	Volunteer Taekwondo Coach, Special Olympics Minnesota Virtual Activities, MN
2020 - 2023	University Liaison, Arrowhead Youth Games Organizing Committee, Courage Kenny Rehabilitation Institute Northland, MN
2016 - 2020	Volunteer Master, Adapted Martial Arts Program for Youth and Young Adults with Developmental Disabilities, Bloomington Southeast YMCA, IN
2016	Volunteer Teacher, Topolany Special Education School, Olomouc, Czech Republic
2016	Volunteer, European Congress of Adapted Physical Activity, Olomouc, Czech Republic
2016	Volunteer Instructor, Adapted Ski Program for Visually Impaired Children, Czech Republic
2014	Volunteer Announcer, World Wheelchair Basketball Championship, Incheon, South Korea
2013	Volunteer, 19th International Symposium of Adapted Physical Activity, Istanbul, Turkey

PROFESSIONAL DEVELOPMENT & CERTIFICATIONS

2024	NIH Grants Process Primer: Application to Award, Office of Extramural Research and Center for Scientific Research
2024	Winter Institute on Learning, UD Center for Teaching & Assessment of Learning
2024 - Present	Physical Activity and Intellectual and Developmental Disabilities Research Network
2023 - 2024	NIH Proposal Academy, UD Research Office
2023	Adult Coaching Strategies, Education Minnesota & the Minnesota Association of Colleges for Teacher Education
2022	Principal Investigator Primer, University of Minnesota Clinical and Translational Science Institute
2021	Inclusive Fitness Training, National Center on Health, Physical Activity and Disability (NCHPAD)
2013	Physical Education Teacher's License, Seoul Metropolitan Office of Education
2011	Anthropometry Level 1, International Society for the Advancement of Kinanthropometry
2011	Taekwondo 4th Dan (Master), Kukkiwon/World Taekwondo Headquarters

Other Certificates

2025	Community Physical Activity Leader (CPAL), American Council on Exercise
2015	Certificate of Special Olympics Czech Republic Healthy Athlete FUNfitness Program, Czech National United Football and Table Tennis, Special Olympics Czech Republic
2014	Certificate of International Seminar of Communities and Crisis-Inclusive Development Through Sport, International Council of Sport Science and Physical Education, Germany