

Zachary M. Himmelberger

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Education

- 2018 | **Doctorate of Philosophy in Experimental Psychology**
The University of Alabama
Emphasis in Cognitive Psychology and Developmental Science, Minor Emphasis in Statistics
Dissertation: The Acquisition of Survey Knowledge across Repeated Exposures to a Novel Environment in Individuals with Down Syndrome
- 2015 | **Master of Arts in Experimental Psychology**
The University of Alabama
Thesis: Processing Spatial Relations: The Role of Instructions on the Priming of Egocentric and Allocentric Spatial Representations
- 2012 | **Bachelor of Arts in Psychology**
Rivier College
Honor's Thesis: The Testing Effect in the Classroom

Work Experience

- 2022 – Present | **Assistant Professor of Psychology**
- 2017 – 2022 | **Lecturer in Psychology**
Maryville College
- Maintained an active research lab where I published papers, presented at conferences, supported institutional research, and mentored student research
 - Taught courses and held workshops in statistics, research methodology, and programming in R
 - Consulted with the Associate Dean, Career Center, faculty, and students on data analysis, statistical programming, grant writing, and results interpretation
- 2012 – 2017 | **Graduate Student Assistant**
The University of Alabama
- Designed, managed, collected, and analyzed data for survey and behavioral research projects
 - Trained and supervised undergraduate and graduate research assistants on a large, federally funded grant, as well as other concurrent research projects
 - Collaborated with colleagues on research projects using a wide range of methodologies

Publications

- 2022 | **Himmelberger, Z. M.**, Faught, G. G., & Tungate, A. (2022). Personality traits predict attitudes toward individuals with intellectual disability. *International Journal of Developmental Disabilities*, 0(0). <https://doi.org/10.1080/20473869.2022.2044594>
- 2021 | Yang, Y., **Himmelberger, Z. M.**, Robinson, T., Davis, M., Conners, F., & Merrill, E. (2021). Everyday memory in people with down syndrome. *Brain Sciences*, 11(551). <https://doi.org/10.3390/brainsci11050551>
- 2020 | Faught, G. G., **Himmelberger, Z. M.**, Conners, F. A., & Tungate, A. S. (2020). Sustained attention to response task performance trajectories in down syndrome. *Journal of Intellectual Disability Research*, 1–6. <https://doi.org/10.1111/jir.12805>
- Lewis, J. J., **Himmelberger, Z. M.**, & Elmore, J. D. (2020). I can see myself helping: The effect of self-awareness on prosocial behavior. *International Journal of Psychology*, 56(5), 710–715. <https://doi.org/10.1002/ijop.12733>
- Himmelberger, Z. M.**, Merrill, E. C., Conners, F. A., Roskos, B., & Yang, Y. (2020). The acquisition of survey knowledge by individuals with down syndrome. *Frontiers in Human Neuroscience*, 14(256), 1–17. <https://doi.org/10.3389/fnhum.2020.00256>
- 2016 | Faught, G. G., Conners, F. A., & **Himmelberger, Z. M.** (2016). Auditory and visual sustained attention in down syndrome. *Research in Developmental Disabilities*, 53, 135–146. <https://doi.org/10.1016/j.ridd.2016.01.021>

Workshops Hosted

- 2021 | **Himmelberger, Z. M.**, & Johnson, A.R. (2021, March) Applied Multilevel Modeling with Longitudinal Data. Workshop given at the Annual Meeting of the Southeastern Psychological Association.
- 2020 | **Himmelberger, Z. M.**, & Johnson, A.R. (2020, June) An Introduction to Multilevel Modeling. Workshop given at the Annual Meeting of the Southeastern Psychological Association.
- 2018 | **Himmelberger, Z. M.**, & Johnson, A.R. (2018, April) Introduction to R. Workshop given to students, faculty, and staff at Maryville College.

Conference Presentations

* Undergraduate student author

- 2023 | *Skibbie, S., *Osorio Candelario, A., *Cruz, C., & **Himmelberger, Z.** (2023, April) Wayfinding: Acquisition of Survey Knowledge. Poster presentation at the Annual Meeting of the Southeastern Psychological Association.

*Knocke, E., & **Himmelberger, Z.**, Vann, J. (2023, April) Nurses' Attitudes Towards Obese Patients. Poster presentation at the Annual Meeting of the Southeastern Psychological Association.

*Winebarger, L., Barrow, J., *Shore, M.E., *Skibbie, S., & **Himmelberger, Z.** (2023, April) "Sometimes My Arms Bend Back": Uncanniness as a Personality Trait. Poster presentation at the Annual Meeting of the Southeastern Psychological Association.

*Garrett, A., *Lee, K., & **Himmelberger, Z.** (2023, April) The Effects of Music and Animal-Assisted Intervention on Stress. Poster presentation at the Annual Meeting of the Southeastern Psychological Association.

2022 | Elmore, J.D., Lewis, J.A., **Himmelberger, Z.M.** & Sherwood, J.A. (2022, May) Moral or Not? the Morality of Everyday Behaviors and Individual Differences in Moral Detection. Poster presentation at the Annual Meeting of the Association for Psychological Science, Chicago, IL.

Lewis, J.A., Sherwood, J.A., **Himmelberger, Z.M.**, & Elmore, J.D. (2022, May) Picking Sides in a Fight Is a Coin Flip: Layperson MMA Fight Outcome Predictions Perform No Better Than Chance. Poster presentation at the Annual Meeting of the Association for Psychological Science, Chicago, IL.

Sherwood, J.A., Lewis, J.A., Elmore, J.D., & **Himmelberger, Z.M.** (2022, May) The Leprous Nature of Victim Status: Being Victimized Decreases Social Desirability. Poster presentation at the Annual Meeting of the Association for Psychological Science, Chicago, IL.

2021 | Lewis, J.A., Sherwood, J.A., Elmore, J.D., & **Himmelberger, Z.M.** (2021, May) I Came, I Saw, I Helped: Self-Awareness Increases Prosocial Behavior Regardless of Self-Presentational Concerns. Poster presentation at the Annual Meeting of the Association for Psychological Science.

*Ross, V., *Goforth, B., & **Himmelberger, Z.** (2021, March) Just World Belief and Authoritarianism May Interact to Promote Sexism. Poster presentation at the Annual Meeting of the Southeastern Psychological Association.

*Goforth, B., *Ross, V., & **Himmelberger, Z.** (2021, March) Relationship between Sexual Education, Religiosity, and Rape Myth Acceptance. Poster presentation at the Annual Meeting of the Southeastern Psychological Association.

*Tucker, C., *Johnson, J., & **Himmelberger, Z.** (2021, March) Self-esteem and Dungeons & Dragons Character Creation. Poster presentation at the Annual Meeting of the Southeastern Psychological Association.

2020 | *Bagci, M., **Himmelberger, Z.**, & *O'neil, A. (2020, June) The Effects of Landmark Saliency on Route Learning. Poster presentation at the Annual Meeting of the Southeastern Psychological Association.

*Leonard, T., *Guisadio, G., *Coyle, E., & **Himmelberger, Z.** (2020, June) Relationship between Contact and Comfort around Individuals with Intellectual Disability. Poster presentation at the Annual Meeting of the Southeastern Psychological Association.

*Coyle, E., *Leonard, T., & **Himmelberger, Z.** (2020, June) A New Measure of Comfort around Individuals with Intellectual Disability. Poster presentation at the Annual Meeting of the Southeastern Psychological Association.

2019 *Wilson, H., Shiba, K., & **Himmelberger, Z.** (2019, April) College Students' Electronics and Social Media Use: The Impact of Nature Exposure and Physical Activity. Poster presentation at the National Conference on Undergraduate Research, Kennesaw, GA.

*Wang, K., Shiba, K., & **Himmelberger, Z.** (2019, April) The Attitude of Teachers Towards Online Teaching Environments from a Global Perspective. Poster presentation at the National Conference on Undergraduate Research, Kennesaw, GA.

Merrill E., Conners, F., Roskos, B., Robinson, T., **Himmelberger, Z.**, & Yang, Y. (2019, March) Acquisition of Route and Survey Knowledge during Wayfinding by Individuals with Down Syndrome. Symposium presentation at the Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.

2018 *Everett, D., Shiba, K., & **Himmelberger, Z.** (2018, November). Impact of cause of death on attitudes towards the deceased. Poster presentation at the Tennessee Psychological Association Convention, Nashville, TN.

2017 **Himmelberger, Z.**, Tungate, A., Faught, G., Merrill, E., & Conners, F. (2017, March) Predicting Attitudes Towards People with Intellectual Disability. Poster Presentation at the Gatlinburg Conference on Research and Practice in Intellectual and Developmental Disabilities. San Antonio, TX.

Robinson, T., Merrill, E., Yang, Y., Conners, F., **Himmelberger, Z.**, & Davis, M. (2017, March) Developmental trajectory analysis of verbal and every day long term memory: A comparison of persons with intellectual disability with and without down syndrome. Poster Presentation at the Gatlinburg Conference on Research and Practice in Intellectual and Developmental Disabilities. San Antonio, TX.

2016 **Himmelberger, Z.**, Kraemer, K.R., & Merrill, E.C. (2016, November). Gender Differences in Memory for Landmarks at Choice Points. Poster presentation at the Annual Meeting of the Psychonomic Society, Boston, MA.

2015 **Himmelberger, Z.** & Merrill, E.C. (2015, November). Instruction Moderates the Location Priming Effect of Egocentric and Allocentric Specific Processing. Poster presentation at the Annual Meeting of the Psychonomic Society, Chicago, IL.

Merrill, E. C, Yang, Y., **Himmelberger, Z.**, *Robinson, T., & *Reid, C. (2015, March). Do you know which way is north? children's cardinal direction knowledge. Poster presentation at the Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.

Yang, Y., Merrill, E. C, & Himmelberger, Z. (2015, March). Contribution of sex, age, and spatial abilities to the development of route learning skills. Paper presentation at the Biennial Meeting of the Society For Research In Child Development, Philadelphia, PA.

2014 | **Himmelberger, Z.**, & Merrill, E. C. (2014, November). Negative priming of spatial relations. Poster presentation at the Annual Meeting of the Psychonomic Society, Long Beach, CA.

2012 | Rekart J. L., Schoenfeld, N., ***Himmelberger, Z.**, & Pelletier, C. (2012) Assessing K-12 educator and college student beliefs and knowledge about the brain. Poster presentation at the Association for Psychological Science, Chicago, IL, II-49.

Courses Taught

2017 – Present	Maryville College R Programming in Psychology, Intellectual Disability: Brain and Cognition, Developmental Disabilities, Advanced Neuroscience, Introductory Psychology, Experimental Psychology, Research Design, Adolescent Psychology, Adult Development and Aging, Introductory Statistics, Cognitive Psychology, Readings Course in Cognitive Psychology
2019 – 2020	Bellevue University Introduction to Psychology, Human Development
2012 – 2017	The University of Alabama Experimental Research Laboratory, Introduction to Psychology, Elementary Statistics, Research Laboratory Coordinator (for all Experimental Research Lab sections), Psychology, Law, & Justice (Teaching Assistant), Physiological Psychology (Teaching Assistant), Elementary Statistics (Teaching Assistant), History and Systems in Psychology (Teaching Assistant), Honors Introductory Psychology (Teaching Assistant)

Grants and Awards

2022	Faculty Development Award Award given by Maryville College to take undergraduate students to a professional conference. <i>Award: \$1,627</i>
	Outstanding Teacher Award Recognition based on a nomination ballot from the junior and senior classes.
2021	Faculty Development Award

Award given by Maryville College to complete a MicroMaster's Program in Statistics and Data Science at MITx.

Award: \$2,700

2019 **Faculty Development Award**

Award given by Maryville College to take undergraduate students to a professional conference. Funds were not used due to COVID.

Award: \$2,130

2015 **Research Travel Award**

Award given by The University of Alabama to present research at a professional conference.

Award: \$600

2014 **Research Travel Award**

Award given by The University of Alabama to present research at a professional conference.

Award: \$600

2013 **Research Travel Award**

Award given by The University of Alabama to present research at a professional conference.

Award: \$600

Professional Development

2022 **Fundamentals of Statistics**

MITx 18.6501x course as part of the MIT Statistics and Data Science MicroMaster's curriculum

Machine Learning with Python - From Linear Models to Deep Learning

MITx 6.86x course as part of the MIT Statistics and Data Science MicroMaster's curriculum

Probability - The Science of Uncertainty and Data

MITx 6.431x course as part of the MIT Statistics and Data Science MicroMaster's curriculum

2021 **Machine Learning & Statistical Analysis (with honors)**

WorldQuant University Applied Data Science Module

Scientific Computing & Python (with honors)

WorldQuant University Applied Data Science Module

Bayesian Data Analysis

Course taught by Aki Vehtari (GSU, 2021)

2019 **Information Technology and the Community Engagement Professional**

Community of Practice hosted by Indiana Campus Compact

ACUE Certificate in Effective Instruction

Service and Committee Work

2021 – Present	Maryville College Faculty Salary Committee
2019 – Present	Faculty advisor for the Maryville College Best Buddies student organization
2018 – 2019	Maryville College Student Life Committee Faculty representative for the Maryville College Student Government Association
2014 – 2015	UA-ACTS Mentor for students with Autism Spectrum Disorder Graduate student representative to the Undergraduate Advising Committee
2014	Graduate student representative to the Graduate Curriculum Committee
2013 & 2014	Mentor for 1st Year Graduate Students

Technical Programs

Data Analysis	R, Stan, SPSS, SAS
Programming	Python, JavaScript
Survey Research	Qualtrics, GoogleForms, SurveyMonkey
Experiment Builders	SuperLab, OpenSesame
Other Tools	SQL, Node.js, LATEX, Rmarkdown, Microsoft Office