

# Zachary M. Himmelberger

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## Education

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2018 | **Doctor 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

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2023 – Present | **Lead Data Science Manager**

2022 – 2023 | **Data Manager** (part-time)

*Motivate Lab*

- Responsible for creating and maintaining data management and statistical programming processes for qualitative and quantitative data
- Conduct survey research, including psychometric analyses to evaluate reliability and validity, statistical modeling, and publishing scholarly articles
- Generate and deliver insight gleaned from analyses for multiple audiences, and provide recommendations to internal and external stakeholders based on research findings

2022 – 2023 | **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

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- 2022 | **Himmelberger, Z. M.**, Faight, 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 | Faight, 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. A., **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 | Faight, 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

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- 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

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\* Undergraduate student author

- 2023 | Guercio, E., **Himmelberger, Z.**, Tibbetts, Y., Speicher, M., & Brannon, G. (2023, May) Evaluating Osteopathic Medical Students' Burnout & Resiliency: Measurement Tools Selection. Oral presentation at the AAMC Health Workforce Research Conference.
- \*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

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2017 – Present	<b>Maryville College</b> 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	<b>Bellevue University</b> Introduction to Psychology, Human Development
2012 – 2017	<b>The University of Alabama</b>

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

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- 2023 | **Student Organization Advisor of the Year**  
Recognition for advising Best Buddies, a student organization which was also awarded for their work.
- 2022 | **Faculty Development Award**  
Award given by Maryville College to take undergraduate students to a professional conference.  
*Award: \$1,627*
- 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

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- 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**

Career Guidance and Readiness concentration

**Service and Committee Work**

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2021 – 2023 | Maryville College Faculty Salary Committee

2019 – 2023 | 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