

## Matthew D. Langley

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### EDUCATION

- 2025 Ph.D. in Cognitive Science Psychology | Arizona State University  
*Vertical Attention Bias Across Time, Space, and Context*
- 2021 M.A. in Cognitive Science Psychology | Arizona State University  
*Tops Versus Bottom Saliency Bias in Object and Scene Perception*
- 2011 B.S. in Psychology | Cum Laude | Northern Illinois University  
*Exploring How Pre-Reading Instructions Affect Personal Reading Intentions Perception*
- 2008 A.A. in General Studies | Elgin Community College

### PUBLICATIONS (\*denotes undergraduate student coauthor)

- Langley, M.D., Vu, M.T. \*, & McBeath, M.K. (2025). When Right Side Up is Upside Down: Vertical Attention Bias Tracks Interactive Feature Regularities in Upright and Inverted Images. *Attention, Perception, & Psychophysics*, 1-20.
- Nguyen, T, Magaldino C. M., Landfair, J., Langley, M. D., & Amazeen, P. G. (2024). Perception of Affordances in Interaction with Autonomous Systems. In *The Modern Legacy of Gibson's Affordances for the Sciences of Organisms* (pp. 348-363). Routledge.
- Langley, M.D., Van Houghton, K. \*, McBeath, M.K., & Lucca, K. (2023). Children and Adults Exhibit a common Vertical Attention Bias for Object Tops and Scene Bottoms. *Developmental Psychology*.
- Langley, M.D., & McBeath, M.K. (2023). Vertical Attention Bias for Tops of Objects and Bottoms of Scenes. *Journal of Experimental Psychology: Human Perception and Performance*.
- Wagman, J. B., Langley, M. D., & Farmer-Dougan, V. (2018). Carrying their own weight: Dogs perceive changing affordances for reaching. *Quarterly Journal of Experimental Psychology*.
- Jordan, J.S., Cialdella, V.T., Dayer A., Langley, M.D., & Stillman, Z. (2017). Wild bodies don't need to perceive, detect, or create meaning: They ARE meaning. *Frontiers in Psychology*.
- Farmer-Dougan, V., Langley, M.D., Gavin, J.\*, & Berenbaum, A.\* (2017). Disequilibrium as an Alternative to Internal States and Affordance. *The Behavior Analyst*.
- Wagman, J. B., Langley, M. D., & Farmer-Dougan, V. (2017). Doggone affordances: Canine perception of affordances for reaching. *Psychonomic Bulletin & Review*, 24(4), 1097-1103.
- Wagman, J. B., Langley, M. D., & Higuchi, T. (2017). Perception of whole and partial length of an object wielded by the head. *Experimental Brain Research* 235, 153-167.

### CONFERENCE PROCEEDINGS (\*denotes undergraduate student coauthor)

- Langley, M.D., Vu, M.T.\*, & McBeath, M.K. (2024). A turn of events: Upside-down figure judgments support a vertical attention bias toward affordance location. *Journal of Vision*, (10):1065. The Association for Research in Vision and Ophthalmology.

- McBeath, M. K., Langley, M. D., & Bai, S. (2023). Upside-down selfies look much more alert and awake. *Journal of Vision*, 23(9):5943. The Association for Research in Vision and Ophthalmology.
- Langley, M.D., & McBeath, M.K. (2022). Bayesian analysis of the vertical saliency bias for objects and scenes. *Journal of Vision*, (14):4212. The Association for Research in Vision and Ophthalmology.
- Wagman, J. B., Langley, M. D., & Farmer-Dougan, V. (2017). Carrying their own weight: Dogs perceive dynamically changing affordances for reaching. In J. Weast-Knapp & G-J. Pepping (Eds.). *Studies in Perception and Action XIV. Proceedings from the Nineteenth International Conference on Perception and Action*. (pp. 93-95). New York: Taylo and Francis Group.
- PRESENTATION: TALKS** (\*denotes undergraduate student coauthor)
- Langley, M.D., Vu, M.T.\*, & McBeath, M.K. (2024). A turn of events: Upside-down figure judgments support a vertical attention bias toward affordance location. *Journal of Vision*, (10):1065. The Association for Research in Vision and Ophthalmology.
- Langley, M. D. (2025 – Invited Lecture). *Perception... With Action*. Presented for Introduction to Psychology course, Walla Walla, WA.
- Langley, M. D. (2024 – Invited Lecture). *Sensation, Perception, and Action*. Presented for Introduction to Psychology course, Walla Walla, WA.
- McBeath, M.K., Lemberes, G.J.\*, Langley, M. D., Magaldino, C.M., Amazeen, E.L., & Baia, S.R. (2024) *Sync and Swim! One-Second Body-Resonance Model Exhibited by Elite Swimmers*. Presented at the 65th Annual meeting of the Psychonomic Society, New York City, NY.
- McBeath, M.K., Langley, M. D., Van Houghton, K.\*, & Lucca, K. (2023) *Vertical Attention Bias for Tops of Objects and Bottoms of Scenes is Larger with Animate Objects and Indoor Scenes, Consistent with the Location of Interactive Affordances*. Presented at the 64th Annual meeting of the Psychonomic Society, San Francisco, CA.
- Langley, M. D. (2022 – Invited Talk). *The Developmental Trajectory of the Vertical Attention Bias*. Presented at the Science of Art, Music, and Brain Activity (SAMBA) Seminar, Tempe, AZ. Invited talk.
- Langley, M. D. (2022). *The Developmental Trajectory of the Vertical Attention Bias*. Presented at Cognition, Action, and Perception Professional Development Seminar, Tempe, AZ.
- McBeath, M.K., Bills, K.A\*, & Langley, M. D. (2021) *Walking the Right Way: Bias to Pass Approaching Pedestrians on the Right-Side Increases with Group Size*. Presented at the 62nd Annual meeting of the Psychonomic Society, Virtual Meeting.
- Langley, M. D. (2021). *An Ecological Approach to the Right-Side Bias*. Presented at Cognition, Action, and Perception Professional Development Seminar, Tempe, AZ.
- Langley, M. D. (2021). *Multi-Modal Influences on Slant Perception in Virtual Environments*. Presented at Cognition, Action, and Perception Professional Development Seminar, Virtual Meeting.
- Langley, M. D. (2020). *I've Scene Better Days: Investigation of Saliency Bias in Shape and Scene Perception*. Presented at Cognition, Action, and Perception Professional Development Seminar, Virtual Meeting.
- Langley, M. D. (2020). *Neural Correlates of the Conscious Perception of Visual Location Lies Outside Visual Cortex*. Talk presented at Cognition, Action, and Perception Professional Development Seminar, Tempe, AZ.

Langley, M. D. (2019). *Exploratory Behavior and Strategy Formation in a Novel Typing Task*. Talk presented at Cognition, Action, and Perception Professional Development Seminar, Tempe, AZ.

Langley, M. D. (2019 – Invited Lecture). *Introduction to Visual Perception*. Presented for Introduction to Psychology course, Tempe, AZ.

Langley, M. D. (2017). *Exploratory Behavior and Insight Learning in a Novel Typing Task*. Talk presented at Cognition, Action, and Perception Professional Development Seminar, Tempe, AZ.

Langley, M. D. (2017 – Invited Lecture). *Bad Presentation: Tips and Tricks to Giving an In-Class Presentation*. Presented for Embodied Cognition course, Tempe, AZ.

Langley, M. D. (2017). *Hysteresis, Stress Signs, & Response Latency for Canine Reaching Affordances*. Talk presented at Cognitive and Behavioral Sciences Professional Development Seminar, Normal, IL.

Langley, M. D. (2017 – Invited Lecture x 2). *Perception by Animals: Canine Affordances*. Talk presented at Sensation & Perception course, Normal, IL.

Langley, M. D. (2017 – Invited Lecture x 2). *Perception by Audition*. Talk presented at Sensation & Perception course, Normal, IL.

Langley, M. D. (2017 – Invited Lecture x 2). *Perception by Dynamic Touch*. Talk presented at Sensation & Perception course, Normal, IL.

Langley, M. D. (2017 – Invited Lecture x 2). *Perception of “What” and “Where”: Two Streams of Visual Perception*. Talk presented at Sensation & Perception course, Normal, IL.

Langley, M. D. (2016 – Invited Lecture x 2). *Gibsonian Approach to Visual Perception: Canine Reaching Affordances are Body-Scaled*. Talk presented at Laboratory in Operant Behavior course, Normal, IL.

Langley, M. D. (2016 – Invited Lecture x 2). *Introduction to Attention*. Talk presented at Introduction to Psychology course, Normal, IL.

Langley, M. D. (2016 – Invited Lecture x 2). *Introduction to Conformity & Obedience*. Talk presented at Introduction to Psychology course, Normal, IL.

Langley, M. D. (2016 – Invited Lecture x 2). *Introduction to Gestalt Psychology*. Talk presented at Introduction to Psychology course, Normal, IL.

Langley, M. D. (2016 – Invited Lecture x 2). *Introduction to Attention*. Talk presented at Introduction to Psychology course, Normal, IL.

Langley, M. D. (2016). *Perception of properties of an object wielded by head*. Talk presented at Cognitive and Behavioral Sciences Professional Development Seminar, Normal, IL.

#### **PRESENTATION: POSTERS** (\*denotes undergraduate student coauthor)

Langley, M.D., Vu, M.T.\*, McBeath, M.K. (2025). *Turning World Upside Down: Vertical Attention Bias Guided by Interactive Features Location in Both Upright and Inverted Images*. Location. Poster presented at the 66<sup>th</sup> Annual meeting of the Psychonomic Society. Denver, CO.

Patten, J.K, Aguilar, S.\*, Graham, I.\*, Fuess, E.\*, Bos, D., Langley, M. D., & Langley, E.B (2025). *Emotional Impact on Vowel Phonemes*. Poster presented at the annual meeting of the Arizona Speech-Language Hearing Association (ArSHA). Phoenix, AZ.

- Kigin, P.,\* Langley, M.D., Coza, A., & McBeath, M.K. (2024). *Downward Gaze Tendency Moderated by Task-Specific Context in Free Viewing*. Poster presented at the Arizona Psychology Undergraduate Research Conference (AZPURC). Tempe, AZ.
- Lemberes, G.,\* Langley, M.D., Magaldino, C.M., Hernandez, J.,\* Amazeen, E.L., & McBeath, M.K. (2024). *One is the Magic Number: Spring Resonance Model of Elite Swim Stroke Rates*. Poster presented at the Arizona Psychology Undergraduate Research Conference (AZPURC). Tempe, AZ.
- Vu, M.T.,\* Langley, M.D., & McBeath, M.K. (2024). *Inversion Reversion: Regularity of Affordance Location Directs the Vertical Attention Bias in Both Upright and Inverted Images*. Poster presented at the Arizona Psychology Undergraduate Research Conference (AZPURC). Tempe, AZ.
- Kigin, P.,\* Langley, M.D., Coza, A., & McBeath, M.K. (2024). *Downward Gaze Tendency Moderated by Task-Specific Context in Free Viewing*. Poster presented at the Undergraduate Honors Thesis Colloquium. Tempe, AZ.
- Langley, M.D., Vu, M.T.\* , McBeath, M.K. (2024). *A Turn of Events: Upside-Down Figure Judgments Support a Vertical Attention Bias toward Affordance Location*. Poster presented at the 24<sup>th</sup> Annual meeting of the Vision Sciences Society. St. Pete Beach, FL.
- McBeath, M.K., Langley, M.D., Baia, S. (2023). *Upside-Down Selfies Look Much More Alert and Awake*. Poster presented at the 23<sup>rd</sup> Annual meeting of the Vision Sciences Society. St. Pete Beach, FL.
- Vu, M.T.\* , Langley, M.D., Van Houghton, K.\* , McBeath, M.K., & Lucca, K. (2023). *Vertical Attention Bias Replicated in Young Children & Adults*. Poster presented at the Cross-Area Poster Session. Tempe, AZ.
- Van Houghton, K.\* , Langley, M.D., McBeath, M.K., & Lucca, K. (2023). *Attention from Top to Bottom: Children and Adults Exhibit Common Opposing Vertical Attention Bias for Objects vs Scenes*. Poster presented at the 2023 Biennial meeting of the Society for Research in Child Development (SRCD). Salt Lake City, UT.
- Langley, M.D., Van Houghton, K.\* , McBeath, M.K., & Lucca, K. (2022). *Vertical Attention Bias in Pictorial Similarity Judgments for Young Children & Adults*. Poster presented at the 63<sup>rd</sup> Annual meeting of the Psychonomic Society. Boston, MA.
- Langley, M.D., & McBeath, M.K. (2022). *Bayesian Analysis of the Vertical Saliency Bias for Objects and Scenes*. Poster presented at the 22<sup>nd</sup> Annual meeting of the Vision Sciences Society. St. Pete Beach, FL.
- Bills, K.A.\* , Langley, M.D., & McBeath, M.K. (2022). *When Encountering a Fork, Sun- Devils Go Right*. Poster presented at the Arizona Psychology Undergraduate Research Conference (AZPURC). Tempe, AZ.
- Van Houghton, K.\* , Lucca, K., McBeath, M.K., Langley, M.D., (2022). *Full Attention Location Bias in Image Processing in Young Children*. Poster presented at the 2022 Honors Thesis Colloquium. Tempe, AZ.
- Van Houghton, K.\* , Lucca, K., McBeath, M.K., Langley, M.D., (2022). *Full Attention Location Bias in Image Processing in Young Children*. Poster presented at the Celebrating Honors Symposium of Research and Creative Projects. Tempe, AZ.
- Langley, M.D., & McBeath, M.K. (2021). *Top to Bottom: A Complete Analysis of Object & Scene Location Saliency*. Poster presented at the 62<sup>nd</sup> Annual meeting of the Psychonomic Society. Virtual Meeting.
- Langley, M.D., Mikell, J.\* , & McBeath, M.K. (2021). *Top to Bottom Saliency Bias: Analysis of Object & Scene Location*. Poster presented at the Institute for Social Science Research (ISSR). Virtual Meeting.

- Bills, K.A.\*, Langley, M.D., Rutkowski, R. & McBeath, M.K. (2021). *Pedestrian Walking-Bias Behavior During A Pandemic*. Poster presented at the Undergraduate Honors Thesis Colloquium. Virtual Meeting.
- Taylor, H.\*, Langley, M.D., Yu, C., McBeath, M.K., & Tang, S. (2021). *Multi-Modal Influences on Slant Perception in Virtual Environments*. Poster presented at the Arizona Psychology Undergraduate Research Conference (AZPURC). Virtual Meeting.
- Mikell, J.\*, Langley, M.D., & McBeath, M.K. (2021). *Up Top, Down Low, Too Slow?* Poster presented at the Arizona Psychology Undergraduate Research Conference (AZPURC). Virtual Meeting.
- Langley, M.D., & McBeath, M.K. (2020). *Canonicity and Anthropomorphism of Cacti in Imagery and Comics*. Poster presented at the 61<sup>st</sup> meeting of the Psychonomic Society. Virtual Meeting.
- Gaskins, J.\*, Langley, M.D., & Adams, A. (2020). *Extending the Boundary? Don't Get Too Aroused*. Poster presented at the 61<sup>st</sup> meeting of the Psychonomic Society, Virtual Meeting.
- Berenbaum, A.\*, Raymundo, I.M.\*, Langley, M. D., Farmer-Dougan, V. & Wagman, J.B. (2017). *Carrying their own weight: Dogs perceive changing affordances for reaching*. Poster presented at the 2017 Illinois State University Research Symposium. Normal, IL.
- Raymundo, I.M.\*, Langley, M. D., & Farmer-Dougan, V. (2017). *Canines' Critical Point Stressors When Perceiving Affordances*. Poster presented at the 2017 Illinois State University Research Symposium. Normal, IL.
- Langley, M.D., Wagman, J. B., & Farmer-Dougan, V. (2016). "Doggone Affordances: Perception of Vertical Reaching by Canines". Invited Poster Presentation at the Convention for the Association for Professional Dog Trainers. Las Vegas, NV.
- Farmer-Dougan, V., Langley, M.D., Gitelson, H.\*, Bonilla, P.\*, Catherine, C.\*, Doughty, J.\*, & Wilhelm, E.\* (2016 – *Invited Poster*). "What's YOUR Bliss point? Differential Reinforcement Effects in Dogs Experienced and Inexperienced with Training". Presentation at the Convention for the Association for Professional Dog Trainers. Las Vegas, NV.
- Langley, M. D., Farmer-Dougan, V., & Wagman, J. B. (2016). *Doggone affordances: Perception of Maximum Vertical Reaching Height by Canines*. Poster presented at the 56<sup>th</sup> meeting of the Psychonomic Society, Boston, MA.
- Langley, M. D., Higuchi, T., & Wagman, J. B. (2016). *Length perception by head and by hand*. Poster presented at the 31<sup>st</sup> International Congress of Psychology, Yokohama, Japan.
- Langley, M. D., Farmer-Dougan, V., & Wagman, J. B. (2016). *Doggone affordances: Perception of Maximum Vertical Reaching Height by Canines*. Poster presented at International Society for Ecological Psychology America Conference, Clemson, SC.
- Langley, M. D., Higuchi, T., & Wagman, J. B. (2016). *Length perception by head and by hand*. Poster presented at International Society for Ecological Psychology America Conference, Clemson, SC.
- Langley, M. D., Higuchi, T., & Wagman, J. B. (2016). *Length perception by head and by hand*. Poster presented at the 2016 Illinois State University Research Symposium. Normal, IL.
- Rasmussen, M., Boveri, D., Wiemer, K., Clinton, J., & Langley, M. D. (2013). *Stereotype activation appears to influence distance estimates*. Poster presented at the 85<sup>th</sup> Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

Rasmussen, M., Boveri, D., Wiemer, K., Clinton, J., & Langley, M. D. (2013). *Activation of both elderly stereotype and intent for action: Do these factors influence distance perception?* Poster presented at the Annual Northern Illinois University Graduate Research Conference, DeKalb, IL.

Langley, M. D., Rasmussen, M., Boveri, D., & Wiemer-Hastings, K. (2012). *Activation of elderly stereotype prime and intent for action: Do these factors influence distance perception?* Poster presented at the 4<sup>th</sup> Annual Psychology Department Undergraduate Conference, DeKalb, IL.

Langley, M. D., Steffens, B., & Britt, M.A. (2011). *Understanding the context of historical controversy.* Poster presented at the 2<sup>nd</sup> Annual Undergraduate Research and Artistry Day Conference, DeKalb, IL.

## **RESEARCH FEATURES IN THE PUBLIC MEDIA**

American Psychological Association (APA) Editor's Choice Selection (2023). *Vertical attention bias for tops of objects and bottom of scenes.*

American Psychological Association (APA) Kudos Article Showcase (2023). *Children and adults exhibit a common vertical attention bias for object tops and scene bottoms.*

<https://www.growkudos.com/publications/10.1037%25252Fdev0001553/reader>

Vilhaurer, M. (2023, November 28). *A Bias for the Tops of Objects and Bottoms of Scenes.* Psychology Today. <https://www.psychologytoday.com/us/blog/illusions-delusions-and-reality/202311/a-bias-for-the-tops-of-objects-and-bottoms-of-scenes>

Fields, L (2023, November 28). *Research Opportunities, Scholarships Help ASU Psychology Students Excel.* ASU News. <https://news.asu.edu/20231020-asu-psychology-students-excel-champion-inclusivity-and-ignite-future-discoveries>

AZ Family (2023, September 15). *How We Perceive the World.* 3 TV & CBS 5 News | Phoenix, Arizona.

Fields, L (2023, August 11). *New Study Reveals How Children Perceive Their Environment Compared with Adults.* ASU News. <https://news.asu.edu/20230811-new-study-reveals-how-children-perceive-their-environment-compared-adults>

Ewing, R. (2021, December 07). *Psychology Students Win Top Prizes From ASU's Institute of Social Science Research.* ASU News. <https://news.asu.edu/20211207-psychology-students-win-top-prizes-asus-institute-social-science-research>

Hill, H. (2017, February 07). *Doggone Affordances: The Embodiment of Canine Bodies.* Psychonomic Society Featured Content. <https://featuredcontent.psychonomic.org/doggone-affordances-the-embodiment-of-canine-bodies/>

## **TEACHING EXPERIENCE**

### ***Visiting Assistant Professor | Whitman College***

2025-2026     2 x Psychology Statistics Lab | PSYC-210L-A  
                  Sensation, Perception, & Action | PSYC-248-B ST  
                  Perceiving & Acting | PSYC-348-B ST  
                  2 x Thesis | PSYC-495-A

### ***Adjunct Instructor of Psychology | Whitman College***

2024-2025     2 x Psychology Statistics Lab | PSYC-210L-A

Sensation, Perception, & Action | PSYC-248-B *ST*

***Instructor of Record | Arizona State University***

2020-2023 9 x Research Methods Laboratory | PSY-290-A

***Teaching Assistant | Arizona State University***

2022 Sensation and Perception | Instructor: Michael K. McBeath

2019 Introduction to Psychology | Instructor: Eevin Jennings

2018-2019 2 x Introduction to Statistics | Instructors: Éva Szeli, Cameron Gibbons

2017 Embodied Cognition | Instructor: Arthur Glenberg

2017 Introduction to Cognitive Neuroscience | Instructor: Samuel McClure

***Teaching Assistant | Illinois State University***

2016-2017 2 x Perception | Instructor: Jeffrey B. Wagman

2016 2 x Introduction to Psychology | Instructors: Jeffrey B. Wagman; Amrita Puri

2015-2017 4 x Laboratory in Operant Behavior | Instructor: Valeri Farmer-Dougan

## **STUDENT MENTORSHIP**

***Whitman College***

**Abshire Supervision**

2025 Year Aurora Gorman | Embodied Cognition and Gesture for Enhancing Pedagogy

2025 Fall Colin Pfister | Embodied Cognition and Gesture for Enhancing Pedagogy

**Research Experience (PSYC-358)**

2025 Spring Josie Blair | Vertical attention allocation during emotion perception

***Arizona State University***

**Honors Thesis Project Supervision**

2024-2025 Brooke Wallace: *Stereogram Ability in Children and College Age Viewers*

2022-2025 Patrick Kigin: *Downward Vantage Tendency Moderated by Task-Specific Context in Free Viewing*

2021-2022 Kaitlin Von Houghton: *Full Attention Location Biases in Image Processing in Young Children*

2019-2022 Koop A. Bills: *Strength in Numbers: Right-Side Walking Bias Influenced by Group Size*

**Mentoring Programs**

2021-2024 Graduate Student Peer Mentor

2021-2022 Mentor for ENERGIZE Research Initiative serving underrepresented groups in science

## **AWARDS & GRANTS**

**Awards**

2024 \$3,688 | Teaching Excellence Award | Arizona State University Graduate and Professional Student Association

2024 \$12,300 | Graduate College Completion Fellowship | Arizona State University Graduate College

2022 \$100 | College Graduate Excellence Award | Arizona State University Graduate College

- 2021 \$1,200 | First place poster Award | Arizona State University Institute for Social Science Research Conference (ISSR)
- 2021 \$100 | First Place Poster Award | Arizona State University Psychology Undergraduate Research Conference (AZPURC)
- 2019 \$10,000 | Graduate Fellowship | Arizona State University Graduate College
- 2016 \$750 | First Place Poster | The Association for Professional Dog Trainers Foundation

### Grants

- 2025 Fall \$2,910 | Abshire/Hubbard Faculty/Student Research Award | Whitman College  
Embodied Cognition and Gesture for Enhancing Pedagogy
- 2025 Spring \$1,905 | Abshire/Hubbard Faculty/Student Research Award | Whitman College  
Embodied Cognition and Gesture for Enhancing Pedagogy
- 2022 \$565 | Research Jumpstart Grant | Arizona State University Graduate and Professional Student Association
- 2022 \$550 | National Eye Institute Early Career Scientist Travel Grant | Vision Sciences Society
- 2022 \$950 | Travel Grant | Arizona State University Graduate and Professional Student Association

## PROFESSIONAL SERVICE

### Community Outreach

- 2024 *The Body Tilt Illusion*. VSS Demo Night. St. Pete Beach, FL.
- 2022-2024 Early Start Program | Laboratory Tour Guide | Arizona State University
- 2019-2024 ASU: Day of the Open-Door | Perceptual Illusion Demos and Tour, Arizona State University

### Consultant

- Study Hall. (2024, September 26). *8 Things Everyone Should Know About Psychology*. YouTube.  
<https://youtu.be/qI5qcOdb8pY?si=QxK8pEw39MO-6OM8>
- Study Hall (2025, April 2025). *How to Become: A Therapist*. YouTube.  
<https://youtu.be/WmFfIknBfDI?si=w2cV8uE99au38GaL>

### Representative

- 2023-2024 Graduate Studies Representative | Cognitive Psychology Doctoral Program, Arizona State University

### Reviewer

- 2021 Poster Submissions | Arizona State University Psychology Undergraduate Research Conference (AZPURC), Arizona State University
- 2019 Research Grants | Graduate and Professional Student Association, Arizona State University
- 2019 Teaching Excellence Awards | Graduate and Professional Student Association, Arizona State University

## PROFESSIONAL AFFILIATIONS

Psi Chi: National Honor Society in Psychology  
Psychonomic Society

Science of Art, Music, and Brain Activity (SAMBA)  
SPARK Society  
Student Psychological Association (SPA)  
Vision Sciences Society

## **QUANTITATIVE TRAINING, SOFTWARE, AND TECHNICAL SKILLS**

### **Quantitative Training**

Analysis of Variance (Matthew S. Hesson-McInnis, Kevin J. Grimm )  
Bayesian Analyses in Social Sciences (Roy Levy)  
Dynamical Systems Analyses (Polemnia G. Amazeen)  
Multiple Regression (Leona S. Aiken, Stephen G. West)

### **Software Expertise**

R-Studio, Jamovi, SPSS, JASP, G\*Power, Excel  
PsychoPy, Pavlovia, Qualtrics

### **Technical Skills**

Computer Screen Eye Tracking (Tobii),  
Mobile Eye Tracking (Tobii)