Matthew T. Harrison
he/him/his
825 Delucchi Ln, 1162
Reno, NV, 89502
Phone: 310-709-4880
Email: mt.harrison@gmail.com

RESEARCH EXPERIENCE

University of Nevada, Reno
2016 – 2021   Graduate Researcher, Perception & Cognitive Neuroscience Lab: Lars Strother, Ph. D

2015 – 2016   Graduate Researcher, Caplovitz Vision Lab: Gideon Caplovitz, Ph. D

California State University, Los Angeles
2013 – 2015   Graduate Researcher, Human Psychophysiology Lab: Joel Ellwanger, Ph. D

EDUCATION

2021   **PhD, Psychology**
            University of Nevada, Reno
            Thesis: *On the insufficiency of laterality-based accounts of face perception and corresponding visual field asymmetries*
            Thesis supervisor: Dr. Lars Strother

2015   **Master of Arts, Psychology**
            California State University, Los Angeles
            Thesis: *The effect of cognitive load on agency judgments for novel stimuli*
            Thesis supervisor: Professor Joel Ellwanger

2012   **Postgraduate Diploma, Psychology**
            Monash University, Australia
            Honors Thesis: *Model Form and Attending to Live and Video Modeling for a Child with Asperger Syndrome*
            Thesis supervisor: Dr. Angelika Anderson

2011   **Graduate Diploma, Psychology**
            University of Melbourne, Australia

2004   **Bachelor of Arts, Philosophy**
            University of California, Santa Barbara

TEACHING EXPERIENCE

As Primary Instructor

2023   Evolutionary Psychology (PSYC 4310) University of North Texas at Dallas
             Responsibilities: Design of curriculum, materials, and assessments. Guided students through contemporary theories of evolutionary psychology, led students in development of student-led discussion presentations of theories and concepts central to the evolutionary context of human behaviors.

2023   Learning and Memory (PSYC 4690) University of North Texas at Dallas
        Responsibilities: Design of curriculum, materials, and assessments. Guided students
        through contemporary theories of evolutionary psychology, mentored students in
        development of student-led discussion presentations of theories and concepts central
        to the evolutionary context of human behaviors.

2022   Advanced Seminar in Psychology (PSYC 4040) University of North Texas at Dallas
        Responsibilities: Design of curriculum, materials, and assessments. Provided
        guidance to students as they research a topic in psychology, formulate a research
        question, and design an experiment to address it. Instructed students through collection
        and analysis of data, and presentation of their results in an original research paper, and
        a scientific poster.

2022   Introduction to Perception & Cognition (PSYC 4040) University of North Texas at Dallas
        Responsibilities: Design of curriculum, materials, and assessments. Provided students
        with a foundation for understanding the perceptual and cognitive mechanisms that
        enable humans to behave in and act upon the world. Instructed students in researching
        their own perceptual abilities, according to the latest theoretical understanding of the
        mechanisms at work.

2022   Personality Psychology (PSYC 4520) University of North Texas at Dallas
        Responsibilities: Design of curriculum, materials, and assessments. Guided students
        through survey of contemporary psychological research on social behavior, theories of
        personality, personality analysis, and applied social psychology.

2022   Positive Psychology (PSYC 3000) University of North Texas at Dallas
        Responsibilities: Design of curriculum, materials, and assessments. Provided students
        with an overview of the history of Psychology with a focus on humanistic psychology,
        the development of strengths and virtues, prosocial behavior, and positive interventions.
        Guided students through selection of relevant topics to research and present to the
        class.

2021   Introduction to Psychology (PSYC 1100) University of North Texas at Dallas
        Responsibilities: Design of curriculum, materials, and assessments. Introduced
        students to broad overview of the history and branches of psychology, as well as the
        utility of the scientific method in researching and understanding human development,
        behavior, personality, and learning. Guided students through in-class demonstrations of
        personally relevant psychological principles.

2021   Advanced Seminar in Psychology (PSYC 4040) University of North Texas at Dallas
        Responsibilities: As above.

2021   Introduction to Perception & Cognition (PSYC 4040) University of North Texas at Dallas
        Responsibilities: As above.

2021   Positive Psychology (PSYC 3000) University of North Texas at Dallas
        Responsibilities: As above

2021   Physiological Psychology (PSY 403) University of Nevada, Reno
        Responsibilities: Design of curriculum, materials, and assessments. Provided students
        with a foundation for understanding the physiological/neural basis for behavior,
        thoughts, perception, and action.

2019	Experimental Psychology (PSY 301) University of Nevada, Reno

Responsibilities: Design of curriculum, materials, and assessments. Provided guidance to students through conception, execution, analysis, and presentation of an original psychology experiment in a mock symposium, and in manuscript form.

2018   Experimental Psychology (PSY 301) University of Nevada, Reno
    Responsibilities: As above.

2017   Experimental Psychology (PSY 301) University of Nevada, Reno
    Responsibilities: As above.

2017   Research Methods (PSY 240) University of Nevada, Reno
    Responsibilities: Design of curriculum, materials, and assessments. Instructed students in fundamental methodologies and issues in psychological research, including research design, quantitative and qualitative forms of analysis, and ethical issues.

2016   Cognitive Psychology (PSY 416) University of Nevada, Reno
    Responsibilities: Design of curriculum, materials, and assessments. Instructed students in how the mind and brain enable us to perceive and act in the world, including major theories, recent discoveries, and experimental methods.

2016   Statistical Methods (PSY 210) University of Nevada, Reno
    Responsibilities: Design of curriculum, materials, and assessments. Conducted <u>online instruction</u> in basic statistical principles and techniques employed in the study of human behavior, including use of SPSS statistical analysis software.

As Teaching Assistant

2020   Introductory Psychology (PSY 101) University of Nevada, Reno
    Responsibilities: Led online discussion group sections, introduced students to broad overview of the branches, major theories, methodologies, and relatable implications of the study of psychology.

2020   Cyberpsychology (PSY 499) University of Nevada, Reno
    Responsibilities: Led in-person and online discussion group, introduced research and conceptual framework for studying the impact of the internet and other information technology on human social and cognitive psychology. Provided guest lecture on the impact of social media on cultural and personal conceptions of self-identity.

2019   Experimental Psychology (PSY 301) University of Nevada, Reno
    Responsibilities: Led laboratory sections guiding students in research, conceptualization, and execution of a behavioral psychology experiment. Instructed students in experimental design, statistical analysis, and APA format manuscript writing.

2018   Statistical Methods (PSY 210) University of Nevada, Reno
    Responsibilities: Assisted with instruction in basic principles of statistical analysis for the study of human behavior. Graded and provided feedback on statistical methods assignments and SPSS assignments.

PUBLICATIONS

Harrison, M. T., & Strother, L. (2021). Does face-selective cortex show a left visual field bias for centrally-viewed faces?. *Neuropsychologia*, 159, 107956.

Harrison, M. T., & Strother, L. (2019). Does right hemisphere superiority sufficiently explain the left visual field advantage in face recognition? *Attention, Perception & Psychophysics*, 1-16.

Harrison, M. T., & Strother, L. (2018). Visual recognition of mirrored letters and the right hemisphere advantage for mirror-invariant object recognition. *Psychonomic Bulletin & Review*, *25*(4), 1494–1499. https://doi.org/10.3758/s13423-018-1472-3

CONFERENCE POSTERS

Harrison, M.H., Strother, L. (2020) Serial processing of multiple identities in single faces, *Cognitive Neuroscience Society*

Chkhaidze, A., **Harrison, M.H.**, Lee, S., Strother, L. (2020) Opposite lateralization for face recognition and gender perception, *Cognitive Neuroscience Society*

Lee, S., **Harrison, M.H.**, Strother, L. (2020) Does serial processing of words and faces happen in parallel? *Vision Sciences Society*

Harrison, M.H., Strother, L. (2018) Visually split identities in face recognition, *OSA Fall Vision Meeting,* Reno, NV.

Harrison, M.H., Strother, L. (2018) Holistic face processing and hemispheric competition during face recognition, *Vision Sciences Society,* St. Petersburg, FL.

Strother, L., **Harrison, M.H.** (2018) Left-lateralized interference of letter recognition on mirror-invariant object recognition, *Vision Sciences Society,* St. Petersburg, FL.

Harrison, M.H., Zhou Z., Strother, L. (2017) An fMRI half-field repetition suppression study of chimeric faces, *Vision Sciences Society*, St. Petersburg, FL.

Harrison, M.H., Zhou Z., Strother, L. (2017) Hemifield-split fMRI repetition effects using chimeric faces, *Cognitive Neuroscience Society*, San Francisco, CA.

Harrison, M.H., Claiborne, N., & Strother, L. What do visual half-field studies tell us about gender perception? *OPAM 2016*

Harrison, M.H., Erlikhman, G., & Caplovitz, G. (2015) Rotating squares made out of drifting Gabors, *Vision Sciences Society*, St. Petersburg, FL.

SCHOLARSHIPS

2013   CSULA Psychology department scholarship

2012   CSULA Psychology department scholarship

AWARDS

2019   G.S.A. Outstanding Graduate Teaching Award

2019   Robert L. Solso Award for Outstanding Scientific Achievement

2016   Neural Correlate Society, Best Illusion of the Year, 1st Place
      Harrison, M.H., Caplovitz, G., Motion Integration Unleashed: New Tricks for an Old Dog

SERVICE

Designed two courses for recently approved Psychology B.Sc. program at the University of North Texas at Dallas (2022): Behavioral Neuroscience, and Social and Affective Neuroscience

Created draft of the SLO Assessment Plan for the proposed Psychology B.Sc. program, modified and finalized with Dr. Park and the Neuroscience committee (2022)

Served as Psychology Club Faculty Advisor at the University of North Texas at Dallas (2021-2022)

Served on Charter and Bylaws Committee at the University of North Texas at Dallas (2021-2022)

Tutored undergraduate researchers in brain imaging techniques in weekly fMRI Processing Tutorial Series (2020).

Provided manuscript review input for the following journals:
   Attention, Perception, & Psychophysics (ID# PP-ORIG-19-214)
   Journal of Neuropsychology (ID# JNP.18.0073)
   Quarterly Journal of Experimental Psychology (ID# QJE-STD-19-207)
   Vision Research (ID# VR-17-307R2, ID# VR-18-116)

Brain Awareness week, Sierra Nevada Chapter of the Society for Neuroscience:
   Outreach volunteer, led presentations in Reno area elementary schools and high schools, 2015, 2016, 2017.

Designed department website for the Cognitive and Brain Sciences graduate program in Psychology at UNR: http://groups.unr.edu/unr_psych_cbs/CBS_grad_program/

SKILLS

- Curriculum design and instruction
- Proficient in use & instruction of MATLAB, PsyToolkit, PSYLAB/PsychLab, and E-Prime
- Proficient in use & instruction of statistical software: SPSS and R
- Proficient in use & instruction of fMRI analysis software: BrainVoyager, NeuroElf, and SPM
- Experienced with Adobe Creative Suite, including Photoshop, Illustrator, and Dreamweaver
- Experienced in psychophysical and psychophysiological experimental design
- Experienced in physiological data collection, including fMRI, EEG, startle eyeblink electromyography, skin conductance measures, and heart-rate measures.