Mingjia (Sherlock) Liu

Portfolio

[UIUC Profile](#)

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EDUCATION

University of Illinois Urbana-Champaign (UIUC)   **Champaign, IL, United States**

Master of Science in Psychological Science   September 2023 – Present
- Advisor: Dr. Brenda Straka
- GPA: 4.0/4.0

University of British Columbia (UBC)   **Vancouver, BC, Canada**

Bachelor of Arts with High Distinction in Psychology and Sociology   September 2019 – May 2023
- Advisor: Dr. Toni Schmader and Yingchi Guo
- GPA: 3.86/4.0

PUBLICATIONS

Straka, B.C., **Liu, M.S.,** Gaither, S.E. (in prep). A New Ball Game: Multiracial Exclusion and Identity.

RESEARCH EXPERIENCE

Minds On Social Groups And Identity Cognition Lab (UIUC MOSAIC Lab)   Champaign, IL, United States

Advisor: Dr. Brenda Straka   September 2023 – Present

Graduate Research Assistant

Multiple Identity Mindset and Cross-Race Interactions

This study investigates the effects of a multiple identity mindset on cognitive flexibility and creativity following a cross-racial interaction.
- Conducted a literature review of cross-race interactions and identified the research gap
- Prepared and submitted the IRB documents for the follow-up study
- Wrote the pre-registration and registered it on Open Science Framework (OSF)
- Prepared study materials, including scripts and video recordings with collaborators at Duke University
- Cleaned and analyzed descriptive statistics with Excel, SPSS, and R
- Conducted Two-Way ANOVA/multiple regression/correlation/t-test
- Presented research findings on conference poster at MPA and program Research Fair

Lab Manager
- Managed a team of five undergraduate research assistants
- Mentored RAs on their Capstone projects
- Overseed RAs work and provide feedback on their weekly lab tasks
- Supervised and track the progress of multiple research projects in the lab
- Created the lab website and social media accounts to improve the lab's online visibility
- Trained RAs to use Qualtrics to design and distribute surveys

Loyd Research Lab (Gies College of Business at UIUC)   Champaign, IL, United States

Advisor: Dr. Denise Lewin Loyd   September 2023 – Present

Graduate Research Assistant
- Conducted language data analyses using LWIC (Linguistic Inquiry and Word Count)
- Programmed research survey items into Qualtrics
- Assisted with obtaining approval by IRB to conduct research studies
- Conducted literature reviews to find existing relevant work in business study area

- Read empirical journal articles and discuss them in lab meetings

Social Identity Lab (UBC)   Vancouver, BC, Canada
Advisor: Dr. Toni Schmader and Yingchi Guo   September 2021 – May 2023
Research Assistant and Study Coordinator
Women's Experience and State Authenticity at STEM Workplace
- Completed a literature review and research proposal and got approved by the Behavioral Research Ethics board
- Planned, modified and executed research techniques, procedures and tests
- Utilized Qualtrics survey tool to create surveys and collect data
- Learned to use basic R Studio to do data cleaning and data analysis
- Submitted a research paper as the final report of the directed study course
- Presented research findings on conference poster at SPSP
Students' Daily Experience and State Authenticity at UBC
- Facilitated training tutorials for other research assistants
- Supported design and implementation of survey instruments such as online questionnaires to obtain study information
- Collected, prepared and tested wide a range of biological samples

UBC Vision Lab   Vancouver, BC, Canada
Advisor: Dr. James T. Enns and Manlu Liu   September 2022 – May 2023
Research Assistant
Differences Between Deictic Gaze and Averted Gaze in Human Visual Perception
- Prepared the lab equipment such as eye-tracking machine with lab members
- Created experimental materials, including visual stimulus
- Recruited participants and ran in-person pilot studies in the lab

PRESENTATIONS

Liu, M.S., Knowles, J., Gaither, S.E., Straka, B.C. (2024, Spring). Enhancing Cross-Race Interactions: The Influence of a Multiple Identity Mindset. *Poster Presented, Master of Science in Psychological Science Research Fair.*

Liu, M.S., Knowles, J., Gaither, S.E., Straka, B.C. (2024, Spring). Enhancing Cross-Race Interactions: The Influence of a Multiple Identity Mindset. *Poster Presented, The Midwestern Psychological Association's Annual Convention.*

Liu, M.S., Guo, Y., Straka, B.C., Schmader, T. (2024, Spring). Developing Tools to Manipulate Different Types of Fit: Workplace Statements Evaluation. *Poster Presented, The Society for Personality and Social Psychology's Annual Convention.*

Huang, T., **Liu, M.S.,** Gaither, S.E., Straka, B.C. (2024 Spring). Exclusion as a Catalyst for Identity and Group Formarion for Multiracial people. *Poster Presented, Midwest Undergraduate Cognitive Science Conference.*

Knowles, J., **Liu, M.S.,** Straka, B.C., Gaither, S.E. (2024, Spring). Multiple Identities As a Pathway to Improve Interracial Interactions and Cognitive Flexibility. *Poster Presented, The Society for Personality and Social Psychology's Annual Convention.*

Knowles, J., **Liu, M.S.,** Straka, B.C., Gaither, S.E. (2023, Fall). Multiple Identities As a Pathway to Improve Interracial Interactions and Cognitive Flexibility. *Talk Presented, Society of Southeastern Social Psychology Conference.*

Murdie, L., **Liu, M.S.,** Gaither, S.E., Straka, B.C. (2024 Spring). Skin-Tone Modifiers and the Consequences on Different Groups of People. *Poster Presented, Midwest Undergraduate Cognitive Science Conference.*

AWARDS AND SCHOLARSHIPS

Clara Mayo Grants ($1000):   2024
Society for the Psychological Study of Social Issues

Diversity Graduate Registration Stipend ($180):	2024
Society for Personality and Social Psychology Annual Convention	
High Distinction, University of British Columbia	2023
Trek Excellence Scholarship for International Students in Top 5% ($3000)	2022
University of British Columbia	
Faculty of Arts International Students Scholarship ($4400)	2022
University of British Columbia	
Trek Excellence Scholarship for International Students in Top 10% ($740)	2021
University of British Columbia	
Faculty of Arts International Students Scholarship ($4400)	2021
University of British Columbia	

MENTORSHIP AND TEACHING EXPERIENCE

Minds On Social Groups And Identity Cognition Lab (UIUC MOSAIC Lab)   Champaign, IL, United States
Graduate Research Mentor   May 2024 – Present
- Mentored four undergraduate students on their Capstone projects
- Produced "About Research, What Do You Need to Know" infographic and reading materials
- Guided students to refine their research questions and edit research proposals
- Developed online R tutorials to teach basic statistical methods and R codes

UBC Department of Sociology   Vancouver, BC, Canada
Teaching Assistant (SOCI 102, SOCI 217, FMST 210)   September 2021 – December 2022
- Assisted teachers with classroom management and document coordination to maintain a positive learning environment
- Tutored students individually and in small groups to reinforce learning concepts
- Supported classroom activities, tutoring, reviewing, and grading work
- Delivered personalized educational, behavioral and emotional support to individual students to enable positive learning outcomes

SKILLS AND INTERESTS

- Language: English (professional); Mandarin Chinese (native); Japanese (basic)
- Software Skills: R studio, SPSS, Qualtrics, Canva, Microsoft Office
- Personal Interests: Photography, Art & Design, Traveling, Reading

RELEVANT COURSEWORK (*Graduate level)

Psychology
- Theory in Social Psychology*
- Social Psychology
- Cognitive Neuropsychology
- Cognitive Processes
- Brain and Behavior

Statistics
- Multivariate Analysis in Psychology and Educational Psychology*
- Statistical Practice in Psychology*
- Applied Regression Analysis*
- Best Psychology Research Practices*
- Statistical Inference in Educational Psychology*

Computer Science and Programming
- Programming and Data Science with R*