Myriam Oliver

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School Address:	**Permanent Address:**
8181 Fannin Street	8612 Hillside Place
Houston, TX 77054	Fairfax, VA 22031

Education

PhD in Human Factors/Human-Computer Interaction   May 2027
Rice University, Houston, Texas
Advisor: Patricia R. DeLucia, Ph.D.

M.A. in Human Factors/Human-Computer Interaction   May 2025
Rice University, Houston, Texas
Advisor: Patricia R. DeLucia, Ph.D.
     GPA: 3.90

Bachelor of Science in Psychology, *summa cum laude*   May 2022
Virginia Tech, Blacksburg, Virginia
     Minor in Statistics
     GPA: 3.94

Research Experience

Lab Manager
Perception and Action Lab at Rice University   August 2023 – present

- Manage and oversee schedules, and trainings for over 10 undergraduate research assistants in the lab each semester
- Delegate tasks to undergraduate assistants based on lab needs and needs of the other graduate students

Graduate Research Assistant   August 2022 – present
Perception and Action Lab at Rice University

- Propose research questions and constructing appropriate experimental methodologies to test those questions
- Perform data cleaning and analyses on multiple studies using statistical software such as R, Jamovi, and Excel
- Collaborate with other researchers in academia and industry to advance research projects

STIPDG Intern (Engineering Psychology)   June 2022 – August 2022
U.S. DOT Volpe National Transportation Systems Center

- Applied my human factors knowledge and research skills to multiple domains in transportation including driving, rail transit, and cycling
- Collected data on participants using the FRA Grade Crossing Driving Simulator and an eye tracker
- Coded survey responses and analyzed data using the R statistical software

- Collaborated with multiple teams to further research goals and discuss next steps in projects
- Designed protocol for the systematic observational analysis of videos

Undergraduate Research Assistant   Sept 2019 – May 2022
Center for Applied Behavioral Systems at Virginia Tech

- Examined the applicability of risk compensation theory and response generalization in COVID-prevention behaviors such as facemask-wearing and social distancing
- Used R to clean and analyze data for the risk compensation study in preparation for conference presentations and publication

NSF REU Summer Undergraduate Researcher   June 2021 – July 2021
Perception and Action Lab at Rice University

- Used a STISIM Driving Simulator to collect data on over 40 participant's perception of stopped and slow-moving vehicles as immediate hazards
- Presented research as a poster at the 66th Annual HFES Meeting and contributed to the writing of the conference proceedings paper

Teaching Experience

Teaching Assistant   August 2024 – December 2024
Undergraduate Perception at Rice University

- Graded tests and final papers for 36 undergraduate students in the class
- Held office hours twice a week and review sessions before each test to help students with any questions or inquiries they had about the topics in the class

Publications

Oliver, M., DeLucia, P. R., Jupe, J., Dudley, L., & Weaver, B. W. (2023). Drivers' Responses to Stopped and Slowed Lead Vehicles During Nighttime. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 67*(1), 1262-1263. https://doi.org/10.1177/21695067231192878

Oliver, M., Weaver, B.W., DeLucia, P.R., Qian, H., Jupe, J., & Yang, R. (2022). Do drivers respond to lead vehicles gradually or suddenly? *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 66*(1), 933 – 937. https://doi.org/10.1177/1071181322661367

Oliver, M., Browning, S., Davis, M., Geller, E.S., (2021). Facemask wearing and social distancing: a test of risk compensation theory. *Virginia Journal of Business, Technology, and Science*, *1*(1). https://doi.org/10.51390/vajbts.v1i1.17

Conference Posters and Presentations

Oliver, M., DeLucia, P.R., Jupe, J., Dudley, L., & Weaver, B.W. (2023, April 21). *Effects of time of day on drivers' responses to stopped and slowed lead vehicles* [Conference Presentation]. 17th Annual Houston Human Factors Symposium, Pearland, TX, United States.

Oliver, M., Weaver, B.W., DeLucia, P.R., Qian, H., Jupe, J., & Yang, R. (2022, December 5-6). *Drivers' responses to stopped and slow-moving lead vehicles and implications for conditional automation* [Poster Presentation]. De Lange Conference, Houston, TX, United States.

Oliver, M., Weaver, B.W., DeLucia, P.R., Qian, H., Jupe, J., & Yang, R. (2022, October 10-14). *Do drivers respond to a stopped or slow-moving vehicle gradually or suddenly?* [Poster Presentation]. Human Factors and Ergonomics Society 66th International Annual Meeting, Atlanta, GA, United States.

Oliver, M., Browning, S., Davis, M., Geller, E.S. (2021, May 26-27). *Does wearing a COVID-prevention facemask decrease social distancing? Risk compensation vs. response generalization* [Conference Presentation]. Annual Association for Psychological Science Convention, Virtual.

Oliver, M., Browning, S., Davis, M., Geller, E.S. (2021, April 30). *A systematic observation of facemask wearing and interpersonal distancing: Risk compensation vs. response generalization* [Conference Presentation]. Dennis Dean Undergraduate Research and Creative Scholarship Conference, Virtual.

Oliver, M., Browning, S., Davis, M., Geller, E.S., (2021, March 25-27). *Facemask wearing and social distancing: A test of risk compensation theory* [Conference Presentation]. Annual Mid-Atlantic Undergraduate Research Conference, Virtual.

Volunteer and Service
DEI Committee Graduate Student Representative   May 2023 – present

Honors and Awards
Dean's List, Virginia Tech   August 2018 – May 2022
Undergraduate Award for Research Excellence   May 2022
Phi Beta Kappa Honors Society   May 2022
Aspire! Award for Embrace Ut Prosim as a Way of Life   March 2022

Professional Memberships or Affiliations
WTS International Student Member   January 2024 – present
WTS Houston Student Member   January 2024 – present
HFES Member Student Affiliate   January 2023 – present
APS Membership Student Affiliate   May 2021 – May 2022

Certifications
CITI Program Export Controls
CITI Program Social and Behavioral Research
CITI Program Basic Responsible Conduct of Research

Skills
STISIM Drive Scenario Development Language
Microsoft Office Suite
Google Workspace
Minitab
R

Jamovi
JMP
Task Analysis