

Education

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| B.S., Psychology , Minnesota State University, Mankato Minor: Critical Thinking; Certificate: Experimental Psychology | May 2022 |
| A.S., Applied Psych & Human Services , Minnesota North, Itasca Campus | May 2020 |
| A.A. , Minnesota North, Itasca Campus | May 2020 |

Related Experience

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| Assistant Scientist , Human Factors Safety Laboratory | July 2022 - Present |
| Research Assistant , Minnesota State University, Mankato | August 2021 - May 2022 |

Conference Presentations

- Kessler, W.** (2023). Assessing Risky Driver Behavior Near Low-Speed Automated Vehicles and How Signaling May Play a Role. Presentation at the Center for Transportation Studies Transportation Research Conference, Minneapolis, MN.
- Schwieters, K. R., Drahos, B. A., Craig, C. M., **Kessler, W.**, Mabry, M., Norfleet, J. E., Mazzeo, M.V., & Morris, N. L. (2023). The Effect of Patient Gender and Undressing Method on Partial and Complete Chest Exposure on the Treatment of a Gunshot Wound. Poster presentation at the 12th International Symposium on Human Factors and Ergonomics in Healthcare in Orlando, FL.
- Schwieters, K. R., Drahos, B. A., Craig, C. M., **Kessler, W.**, Mabry, M., Norfleet, J. F., Mazzeo, M.V., & Morris, N. L. (2023). Effect of Patient Gender and Undressing Method on Partial and Complete Chest Exposure in a Combat Care Scenario. Presentation at the Combat Medicine and First Responder Training session at the Design of Medical Devices Conference, Minneapolis, MN.
- Morris, N. L., Craig, C. M., Schwieters K. R., Mabry, M., Drahos, B. A., Floersch, E., **Kessler, W.** (2023). Limited Training in Undergarment and Clothing Removal Techniques to Expose Wounds in Combat Care. Paper presentation at the Applied Human Factors and Ergonomics Conference on Human Factors in Design, Engineering, and Computing Hawaii Edition, Honolulu, HI
- Schwieters, K. R., Drahos, B. A., Craig, C. M., **Kessler, W.**, Mabry, M., Norfleet, J. F., Mazzeo, M.V., & Morris, N. L. (2023). Effect of Patient Gender and Undressing Method on Partial and Complete Chest Exposure. Paper Presentation at the Human Factors and Ergonomics 67th Annual International Meeting, Washington, D.C.

Publications

Morris, N., Craig, C., Schwieters, K., Drahos, B., Mabry, M., Floersch, E., **Kessler, W.** (2023). Limited training in undergarment and clothing removal techniques to expose wounds in combat care. In: Jay Kalra (eds) Emerging Technologies in Healthcare and Medicine. AHFE (2023) International Conference. AHFE Open Access, vol 116. AHFE International, USA.
<http://doi.org/10.54941/ahfe1004367>

Morris, N.L., Craig, C.M., Drahos, B., Tian, D, Van Houten, R.H., Mabry, M., **Kessler, W.** (2023). Multi-city study of an engineering and outreach program to increase driver yielding at signalized and unsignalized crosswalks (MN 2023-11). Minnesota Department of Transportation, St. Paul, MN, Retrieved from: <https://hdl.handle.net/20.500.14153/mndot.5218>

Select Grants & Contracts as Key Staff or Research Personnel

Development of a System to Report School Bus Stop-Arm Violations

HumanFIRST Lab: December 2023-Present

Behavioral Investigation of Temporary and Permanent Pedestrian Infrastructure

HumanFIRST Lab: June 2023-Present

Improved Synthetic Training Environment for Assessment of Medics (i-STEAM)

HumanFIRST Lab: December 2022-Present

MMUCC MNCrash Updates: Developing User-Centered Solutions to MNCrash MMUCC Enhancements

HumanFIRST Lab: August 2022-Present

Assessment of Pedestrian Safety and Driver Behavior Near Automated Vehicles

HumanFIRST Lab: February 2022 – January 2024

Professional Activities

Crash Data Users Group (CDUG), Minnesota Department of Public Safety and Minnesota Department of Transportation