

# MARSHALL MABRY

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## Education

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### University of Minnesota Twin Cities

September 2018 – May 2022

- Bachelor of Arts | Urban Studies

## Recent Work Experience

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### Student Worker – Borchert Map Library - Minneapolis, Minnesota

September 2018 - May 2022

### Teaching Assistant – University of Minnesota College of Liberal Arts - Minneapolis, Minnesota

August 2019 - May 2020

### Undergraduate Research Assistant – HumanFIRST Lab, Department of Mechanical Engineering, University of Minnesota - Minneapolis, Minnesota

May 2021 - May 2022

### Researcher II – HumanFIRST Lab, Department of Mechanical Engineering, University of Minnesota - Minneapolis, Minnesota

September 2022 - Present

## Presentations

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- Drahos, B. A., **Mabry, M.**, Lye, M., Schwieters, K. R., Craig, C. M., Norfleet, J. E., Mazzeo, M.V., Morris, N. L., & Kowalewski, T. (2023). Crowdsourcing-Based Validation of Proposed Assessment Tool for Tourniquet Application. Poster presentation at the 2023 Association of Military Surgeons of the United States conference in National Harbor, MD.
- Drahos, B. A., **Mabry, M.**, Morris, N. L., Craig, C. M., Schwieters K. R., Floersch, E. (2023). Limited Training in Undergarment and Clothing Removal Techniques to Expose Wounds in Combat Care. Poster presentation at the University of Minnesota Department of Surgery Research Week 2023, 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 67<sup>th</sup> Annual International Meeting, Washington, D.C.

# Publications

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- 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

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### **Pedestrian Engineering and Enforcement at Signalized Intersections –**

HumanFIRST Lab 2021 - Present

### **Improved Synthetic Training Environment for Assessment of Medics**

**(i-STEAM) –**

HumanFIRST Lab 2020 - Present

### **Smart Tracking Systems for Safe and Smooth Interactions Between Scooters and Road Vehicles –**

HumanFIRST Lab 2021 - Present

### **Multi-Method Investigation of Pedestrian Safety Impacts of Right-Turn Lanes –**

HumanFIRST Lab 2021 - 2023

### **Identification and Assessment of Preventative Methods to Mitigate Cognitive and Physical Declines Which Influence Driving Performance of Older Drivers–**

HumanFIRST Lab 2022 - Present