

Student name: Nicholas Britten

Academic level/academic standing: M.S. Student – Industrial and Systems Engineering

Thesis/dissertation title and status: “An On-Road Assessment of Driver Secondary Task Engagement and Performance during Assisted & Automated Driving”

Graduation Date: Fall 2021

Impact Statement:

Participating in this project provided me with invaluable experience in various aspects of research study design, execution, analysis, and dissemination. Through collaborating with industry partners on the research design, I gained insight into the practical considerations and challenges associated with conducting research in a real-world setting. The experience of working on this project also allowed me to hone my skills in developing research protocols, conducting data collection sessions, and analyzing both time series and eye glance data.

In addition, the project provided me with opportunities to write research reports, journal articles, and conference articles, as well as to present my findings at research conferences and to industry members. Through these experiences, I learned how to effectively communicate research findings to diverse audiences, as well as how to tailor my presentations to different types of venues.

Working on this project complemented my coursework in research design and analysis, roadway safety, and human factors. Through my coursework, I gained a theoretical understanding of the principles of research design, data analysis, and human factors. However, working on this project allowed me to apply these principles in a real-world context and provided me with hands-on experience in conducting research.

Overall, this project helped me to develop a comprehensive understanding of the research process, from designing and executing studies to disseminating findings to various stakeholders. This experience has been instrumental in preparing me for future research endeavors and has allowed me to develop invaluable skills for a career in human factors research.