

Student name: Adam Novotny

Academic level: Doctoral

Thesis/dissertation title: Improving E-Scooter Safety: Deployment Policy Recommendations, Design Optimization, and Training Development.

Impact Statement:

I am extremely grateful to have had the opportunity to conduct research at the Virginia Tech Transportation Institute (VTTI) and to have been involved with a number of exciting studies. The two most impactful studies that I was involved with were the E-Scooter Safety Assessment and Campus Deployment Planning study and the E-Scooter Design study. The E-Scooter Safety Assessment and Campus Deployment Planning study was my first research experience where I was exposed to every step of the project- from identifying the safety concern and conducting a detailed literature review, designing the study and data collection methods, developing data reduction protocols and analysis plans, analyzing data, and reporting the results. Additionally, I gained experience interacting with sponsors and leading project update meetings. I learned many valuable research skills during this first study, which allowed me to take the lead with the second study, E-Scooter Design. Throughout both projects, I was fortunate to be working with other wonderful researchers at VTTI where I received mentorship and guidance which ultimately helped me to grow as a professional. These two studies made up a large portion of my dissertation research, and I am excited to continue applying my skills and knowledge to address transportation-related safety issues.