

Student name: Daniel Burdisso

Academic level: Undergraduate

Impact Statement:

“This project allowed me to further progress my education by introducing me to modern technologies in the industry. I was introduced to 5G and CV2-X technologies which allowed me to understand better the communications between vehicles, pedestrians, and the road infrastructure. I could use this newly learned knowledge when I developed HMI (Human Machine Interfaces) boards to warn pedestrians at an intersection when a collision, over-speeding, or traffic accident has occurred. In addition, I gained valuable experience in a team environment where I further developed my communication skills working within a team along with clients (NEC) in helping to install and test this technology as well as in human-machine interaction where I needed to determine easy and efficient ways to provide warnings detected from a system to pedestrians. I also developed my software development skills by helping program applications that would provide warnings and detect hazards at the intersection to improve safety for all road users.”