



SPACECRAFT TERRAIN ANALYSIS AND ROBOTIC LANDING FOR CRITICAL EMERGENCIES



SCHOOL: POOLESVILLE HIGH SCHOOL

LOCATION: POOLESVILLE, MD

FLIGHT PROVIDER: ASTROBOTIC

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment flies on a rocket-powered lander over a simulated lunar surface to log a 3D model of the terrain. Using AI, it analyzes the data to search for possible landing spots. We were inspired by the Apollo 11 mission when astronauts encountered rocky terrain. We believe that if they had access to this technology, it would have been a safer situation. By using the data collected, we will be able to automate the process in determining the best emergency landing spots using our model.