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Name of project: Attentional Demands of Augmented Reality Navigation Aids

Project Description: Heads-up Augmented Reality (AR) navigation displays, which superimpose virtual information onto the real-world, have the potential to support users in allocating attention between the display and the environment. Accordingly, AR navigation displays may better enable users to negotiate movement around objects in the environment. The goal of this project is to test how well users can maneuver around objects of varying heights while navigating in an environment using a heads-up AR navigation display. A simulator study will be conducted using an Oculus Rift. The undergraduate student will work closely with a PhD student; helping with the design of the experiment, running the experiment, and processing data for analysis.