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Ryan Thomas Kall

Cleveland State University

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Recommended Citation

Kall, Ryan Thomas, "Virtual Reality Based Serious Games for STNA Training" (2018). *Undergraduate Research Posters 2018*. 72.

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Virtual Reality Based Serious Games for STNA Training

Washkewicz College of Engineering

Student Researcher: Ryan Thomas Kall

Faculty Advisor: Wenbing Zhao

Abstract

In this project, exploratory steps have been taken towards the development of a set of serious games for state tested nursing assistants (STNAs) education and training, which promises to make the training more engaging and effective. Tasks include getting familiar with developing 3D scenes with Unity, human activity recognition with Microsoft Kinect, creating holograms with Microsoft HoloLens, and help implement a gaze-based mechanism for performance assessment in patient transfer skills.