

A Review of Immersive Virtual Reality in Special Education

Yi (Joy) Li
joy.li@kennesaw.edu

Zhigang Li
zli8@kennesaw.edu

Chi Zhang
chizhang@kennesaw.edu

College of Computing and Software Engineering
Kennesaw State University
Marietta, GA 30060, USA

Abstract

To investigate the state-of-the-art of virtual reality in special education, we reviewed the related research over the past ten years. Strategies and approaches of the study design have been characterized and categorized based on their research focuses. Both perspectives from the special educators and the students with special needs are addressed. This study reveals that immersive virtual reality is effective in special education, while challenges still remain in this area. We provide insights for future studies and also call for more collaboration among researchers, practitioners, and educators.

Keywords: virtual reality, special education, human-computer interaction.

A full version of this manuscript may be found at <https://jisar.org>