



TECHNOLOGY

VOLT: Virtual Occupational Language Training

OVERVIEW

Currently, there is a need for effective guided immersive learning to supplement a classroom environment, particularly in immersive language learning. Virtual reality (VR) 3D systems offer a flexible and viable solution to this problem.

Researchers at the University of Maryland have created VOLT (Virtual Occupational Language Training), a virtual reality 3D environment to supplement classroom language learning within an immersive, guided, and culturally-rich environment. VOLT combines the effectiveness of gamification and immersion and steers the student through the world using avatars, challenges, incentives, and feedback based on the targeted language vocabulary and listening comprehension. Due to the flexibility afforded by VR, VOLT is highly customizable. It can be easily tailored to a student's progress, adjusted to different levels of proficiency within one classroom, and utilize different languages as well.

APPLICATIONS

- Guided immersive language learning

ADVANTAGES

- Flexibility of a VR environment allows for customization
- Can be adjusted to different levels of proficiency within one classroom

CONTACT INFO

UM Ventures
0134 Lee Building
7809 Regents Drive
College Park, MD 20742
Email: umdtechtransfer@umd.edu
Phone: (301) 405-3947 | Fax: (301) 314-9502

Additional Information

INSTITUTION

University of Maryland, College Park

CATEGORIES

- Software + Algorithm
- Education/Training/Multimedia

EXTERNAL RESOURCES

IS-2017-047