



香港城市大學
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Engaging Students to Visualize Information: Exploring the Potential of Augmented Reality

Project Number: 6000478

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Abstract:

The main purpose of this project is to engage students to better understand the concepts and methods of information visualization. Students will be guided to learn the basic techniques of data visualization such as volume visualization, 2D and 3D visualization, and immersive design; and to explore how diverse visualization techniques can be utilized in state-of-the-art AR environments where information is visualized, through which knowledge can be exchanged, such as games, e-commerce, medicine, and their own education. To achieve the goals proposed, a series of information visualization workshops will be introduced in class. In the workshops, diverse AR applications will be introduced to enrich students' capabilities to explore new possibilities of information visualization and its applications. As an outcome of this project, students will be expected to complete projects on how to apply information visualization technologies in AR contexts and measure their impact, which will be shown in a final presentation.