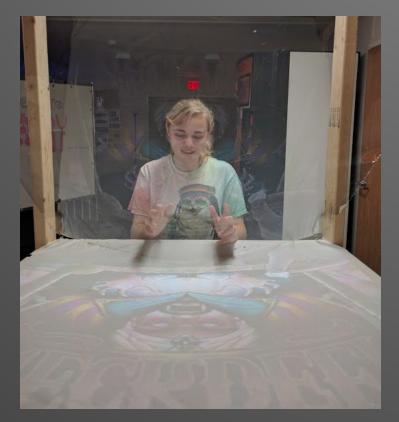# HOLOVIEW

ZOLTAR

HoloView Zoltar is a set piece designed for the Berry College Dance Troupe for their Spring 2017 production. Consulting with the choreographer beforehand, this piece is designed so that a person standing behind the HoloView Zoltar display will appear in the same scale as the original Zoltar Speaks Fortune Teller. Once the dancer begins, the display changes as a result, showing different animations and contributing to the light show. At the end of the performance, another dancer's hologram is seen and has replaced the original fortune teller. In this way, HoloView Zoltar is not interactive, rather, will play a pre-edited movie that is synced to the music and choreographed dancing. Due to this being a stage piece, there is additional work that I will need to do to improve the aesthetics. For example, the final piece will feature specially painted wooden panels that will make it look more like a rusty machine. Nevertheless, I was able to construct almost the entire piece throughout the course of the Hackathon. Construction mainly consisted of 2x4's and metal brackets. Simple wooden screws hold the frame together. The set piece is roughly 6.5' tall and 3' wide and long. My Optoma Ultra-short throw projector is housed in the bottom of the set piece and a shower curtain is pulled tight to gather the image. A 3' by 4.25' sheet of PETG was framed after the Hackathon with springs. HoloView Zoltar takes advantage of Pepper's ghost, as previous models have.

A 5'3" model is standing in the dancer's position in both of these photos. The photo to the left has the lights on, revealing the dancer, while the photo to the right has the lights off, showing the full effect of HoloView Zoltar.