Synesthesia

PROJECT NEWSLETTER | WEEK 6 | October 4, 2013

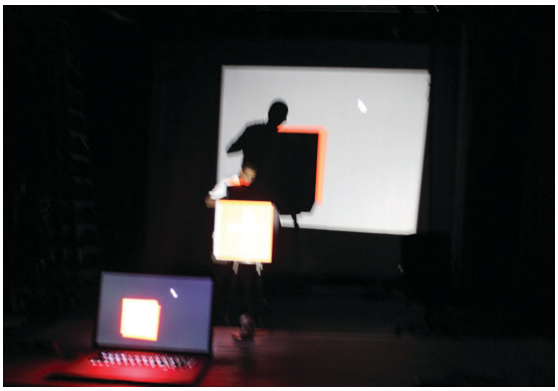
WHAT TO DO?

THIS WEEK

To start week 6 we had a video call with Shannon Harvey, an ETC alumnus currently working for D3, a company specializing in projection mapping. Shannon shared some great advice with us concerning our project and we established a possible partnership wherein we'll be utilizing D3's software to facilitate the projection mapping component of our project- helping D3 by creating a low-budget IR tracking system that talks to their mapping software while making our job considerably easier.

Moving forward, we feel confident that we're still on track to have a demonstratable prototype with demo content in place by halves, which would allow us to focus on collaborating with the band and generating content for the rest of the semester.

Adi moves the box in front of the camera/ projector setup, and an image is projected on the surface.



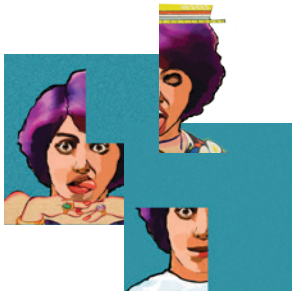
PROGRAMMERS' CORNER

Week 6 culminated in the first of 3 tests at the Carnegie Mellon Light Lab that we plan on performing this semester. The goal of this round of testing was to see if our first prototype, consisting of a single box with IR LEDs at each corner, would be detectable by the hardware in differing stage lighting configurations. We verified our suspicion that complete blackness would be the best setting for the performance, but discovered that, surprisingly, illuminating a performer with projector light doesn't cause problems with the tracking system as the projector light, unlike the standard stage lighting, does not contain an IR component. This has inspired us to investigate the possibility of simulating stage lighting in the projection mapping program and bypassing traditional stage lighting altogether.

Moving forward we're going to test another tracking system involving reflective paint and an IR emitter which may provide cleaner tracking data than our current LED prototype. We'll also be looking into integrating with D3's projection mapping software.

KATIE CORRELL JASON GUO
MAT ROBINSON SIDDHANT SHAH
ALLISON SOMMERS ADITYA VIJAYAKUMAR
Advisors: SALVADOR BARRERA DREW DAVIDSON

NEWS FROM CONCEPT ARTLANDIA



What stories can OK Go tell with our cubes? Narratives, sight gags, clowning, physics. interchangeable body parts…