

Nymphaea Lights

Artist Statement

Sara Wigglesworth

Project Description and Rationale

Nymphaea Lights is a temporary art installation that consists of an interactive LED light wall, made by a Neopixels, tissue paper flowers, and arduino UNO with a wifi shield and a shallow hollow wall made of foam core. The flowers rest over the hollow wall with holes cut out for the light to come through. The user is able to sign onto a webpage over the wifi and turn each individual light on behind each flower. The flower will slowly glow multi-coloured for a few seconds and remain on one colour after the cycle.

No two flowers are exactly the same but they all share similar characteristics. Nymphaea, which means water lilies, Lights is a series of paper flowers resembling water lilies, represents each individual as a unique and beautiful presence while expressing the similarities we have and share together. The installation visualizes a community that is created when individuals come together. This artwork can be interpreted as a way to connect and interact with those around them. Nymphaea Lights represents each individual user's data but also represents how each input together creates a community.

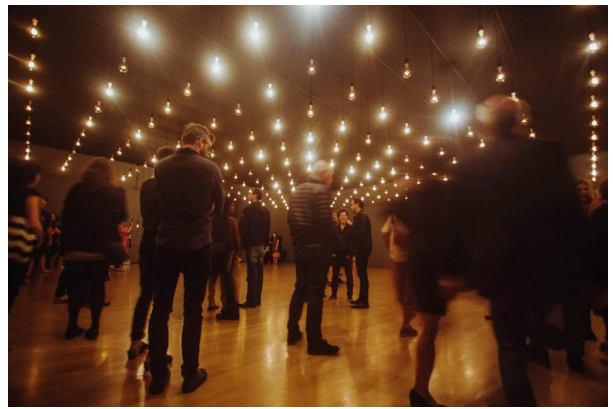
I was inspired by installations such as, *Everbright* an interactive light wall created by Hero Design, *Cloud* the interactive Light Art installation by Caitlind R.C. Brown and Wayne Garrett for the iLight Marina Bay Festival 2014, *Pulse Room* by Rafael Lozano-Hemmer and a giant Lite Brite designed by La Camaraderie. All these installations allowed users to create or choose the outcome of the piece and created a community of individuals all participating.

In Visualization and Generative Processes I was largely inspired by data visualization and the representation of communities in the web. Such as in *Listening Post*. I was impressed by the vast amount of data this installation represented and how it was displayed. If I could re make this project I could make the scale much larger. I would also have the installation represent the people in the physical space but also incorporate

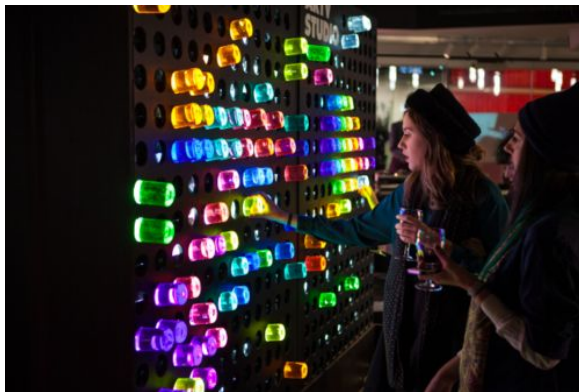
people in digital space as well. This would create an awareness of the space we physically share with the digital space simultaneously.



Cloud



Pulse Room



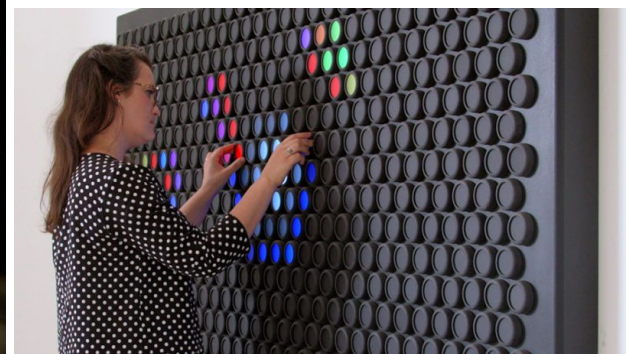
Lite Bright



LED Rose Garden



Listening Post



Everbright

