



STL Visualization Application

Developed by Farhan Saeed with Summit Tech Laboratories and CALIT2
Sponsorship



Outline

- Objectives
- Software Stack
- Visualization Interface
- Form Entry
- Challenges
- What I've learned



Objective

- Create an interactive way to display information on a large screen that supports multiple users
- Data will be stored in the file system and accessed via ReST Application
- Develop application for data entry and modification

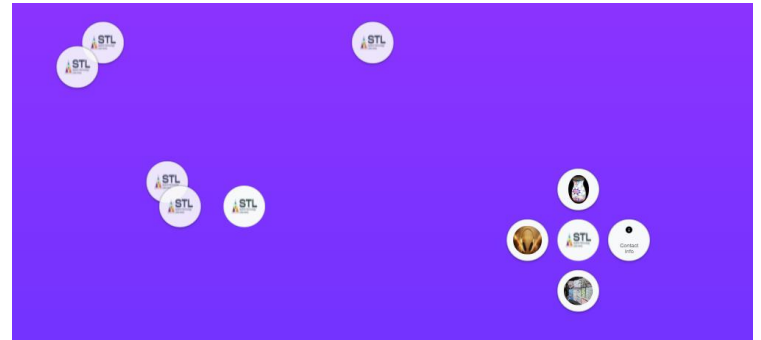
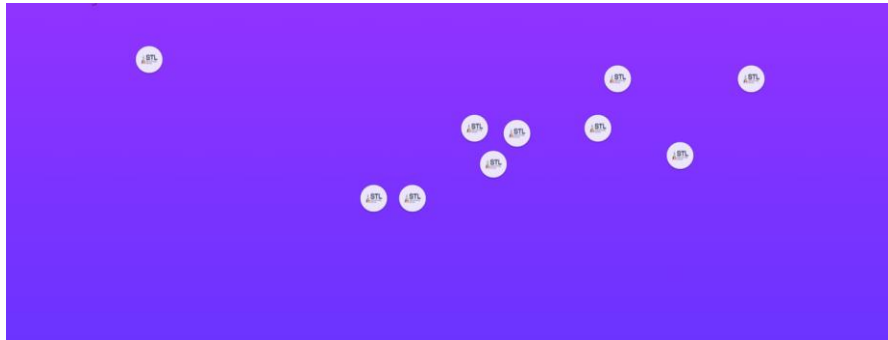


Stack

- Frontend:
 - React.JS
 - Framer Motion
 - Material-UI
- Backend:
 - Express.JS
 - Windows File System/JSON (DB)



Visual Interface





Visual Interface (contd.)



Form Entry

Choose Organization:

<input type="checkbox"/> Org name
<input type="checkbox"/> STL

Rows per page: 100 ▾ 1-1 of 1 < >

CREATE ORGANIZATION

MODIFY 

DELETE 

1 Organization Name & Logo 2 Contact Info 3 Project 4 Summary

Organization Name & Logo

Org Name *
STL

MODIFY LOGO



< BACK

NEXT >

Form Entry (contd.)

Organization Name & Logo | **Contact Info** | Project | Summary

Contact Info

Location

Location
RM2302

Contact Details

Name
ADITI

Email
aditi@summittechlab.org

Phone

+ ADD CONTACT | DELETE

BACK | NEXT

Organization Name & Logo | Contact Info | **Project** | Summary

Project

+ ADD PROJECT | MODIFY | DELETE

Project	Thumbnail	Image	Description	Video
<input type="checkbox"/>	Mediaaquarium	19c56f_5e5b612a20e4c3996a055a8c5a	N/A	Mediaaquarium, a cylindrical aquarium-like ... mediaaquarium.mp4
<input type="checkbox"/>	PPOd	R_jpf	N/A	The current popular modality for visualiza... https://www.youtube.com/embed/Rtwem...

Rows per page: 100 | 1-3 of 3 | < >

Title
Mediaaquarium

Description
Mediaaquarium, a cylindrical aquarium-like wrap-around display 5 ft in diameter, was used as an exhibit in the Conference Center Lobby to stream live conference feed, live social media feed, sponsorship acknowledgments, and promotional media. 4 individual screen feeds were seamlessly wrapped around the circumference.

Form Entry (contd.)

✓ Organization Name & Logo ✓ Contact Info ✓ Project 4 Summary

Summary

Organization Name & Logo

Org Details

Org Name: STL

Org Logo:



Contact Info

Contact Details

Location: RM2302

Name: ADITI

Email: aditi@summittechlab.org

Projects

Projects ▼

Project Description:

Title: Mediaaquarium



Challenges

- Creating movable bubbles
- Styling
- Spacing of the bubbles



What I've learned

- Developing a dynamic interface to display information
- Learning more about how certain React functions work
- Front End styling



Thank you CALIT2 & STL teams