

# Landscape Architecture: Webpage Design, Database, & Dashboard

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Capstone Experience INST490



# The Team



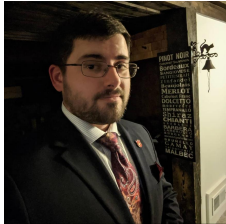
**Mikel Reyes**  
Project Manager



**Jason Calix**  
Database Developer



**Tommy Brennan**  
UX Designer



**Jordon Farrell**  
Lead Programmer



**Ahmed Khan**  
Quality Assurance Tester



**Tim Hong**  
Quality Assurance Tester

# Overview



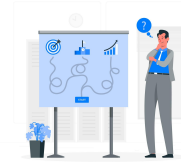
## Our Client

- Who are we working for?



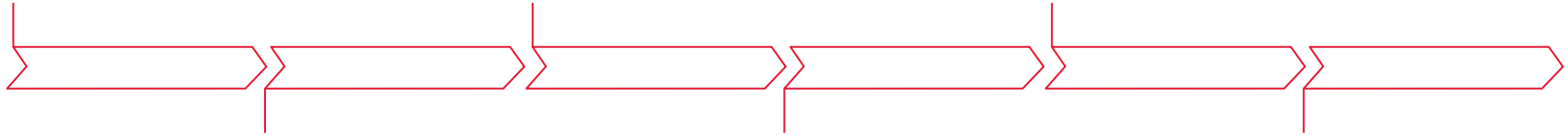
## Problem Solution

- How are we solving it?



## Progress

- Where we're at



## Problem Statement

- What are we aiming to solve?

## Deliverables

- What are we submitting to our client?

## Live Demo

- Demo of project.

# Our Client



- **Landscape Architecture Program** at the University of Maryland
  - Train students in the design, planning, and management of natural and built environments
  - Partner with communities
- **Main Point of Contact: Dr. David Myers**
  - Associate Professor in Department of Plant Science and Landscape Architecture



# Problem Statement

The Landscape Architecture program has created many outstanding student projects, currently stored in various Google Drive folders.

- **Key Questions**

- How can we showcase these projects publicly in a unique, interactive way?
- How can we better organize the existing Google Drive content?
- How can the program easily add and manage future projects?



# Problem Solution

- Web Page housing interactive map with locations of final projects created by students
- Projects displayed handpicked by Point of Contact
- Reorganization of current database
- Database Dashboard + documentation for implementation of future projects



# Deliverables

- Relational Database
  - Containing the clients desired data points.
- Dashboard
  - Add new entries to the database and manage current database contents.
- Interactive Map
  - Utilizes the database to display the clients curated projects.
- Documentation
  - Comprehensive documentation to support future development and maintenance.



# Start to Finish

Start:

- Figuring out scope and Obj of project
- What design process to use
- Front end/Back end
- What the client wants





# Current Progress

## Completed:

- Database Dashboard
- Interactive map
- Authentication
- User permissions

## Next Steps:

- Fixing bugs & Testing
- Publishing final site
- Documentation



# Challenges

- Learning new platform (Leaflet)
- Some sicknesses went around
- Communication
- Busy schedules
- Hosting



**TURSO**

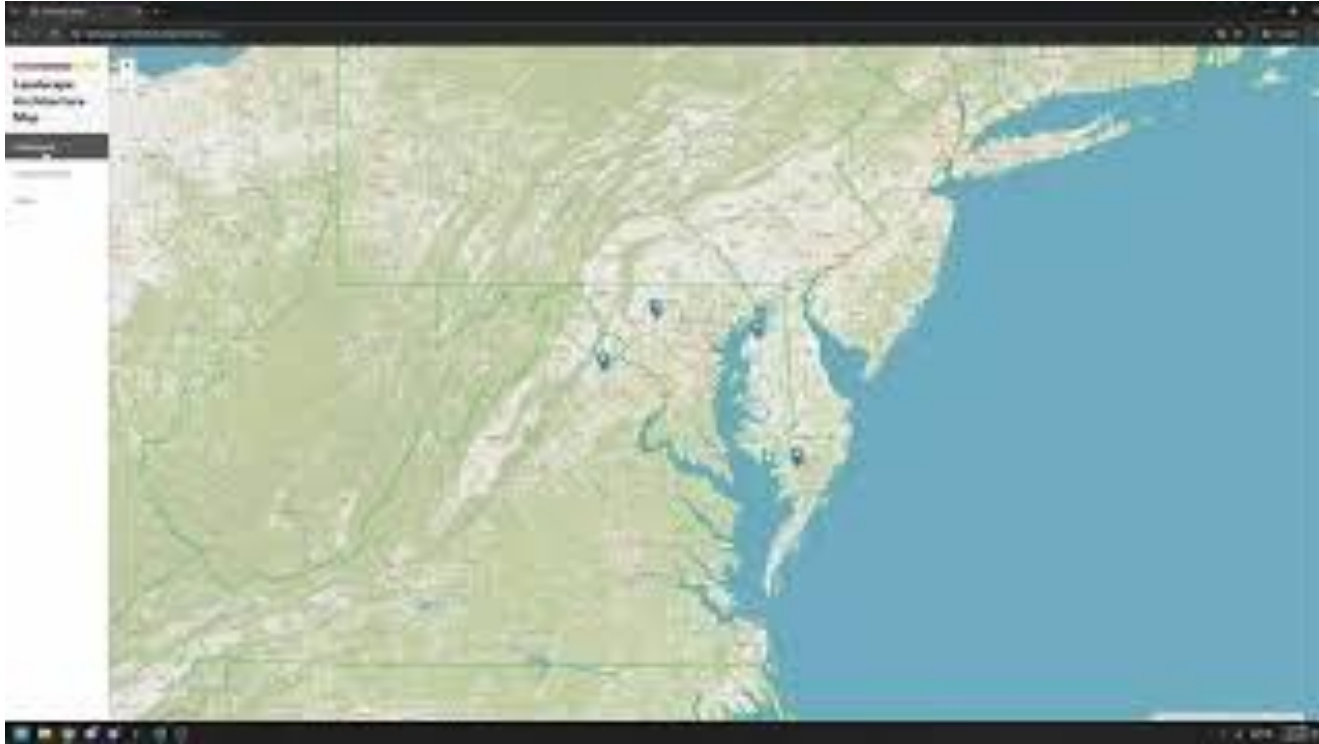


**libSQL**



**Render**

# Video Demo



***THANK YOU*** 



UNIVERSITY OF  
MARYLAND

**FEARLESSLY  
FORWARD**

**Questions?**

