

Landscape Architecture: Webpage Design, Database, & Dashboard

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Capstone Experience INST490



UNIVERSITY OF
MARYLAND

**FEARLESSLY
FORWARD**

The Team



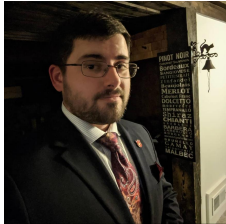
Mikel Reyes
Project Manager



Jason Calix
Database Developer



Tommy Brennan
UX Designer



Jordon Farrell
Lead Programmer



Ahmed Khan
Quality Assurance Tester



Tim Hong
Quality Assurance Tester

Today's Presentation



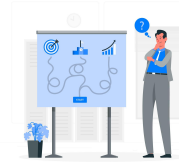
Our Client

- Who are we working for?



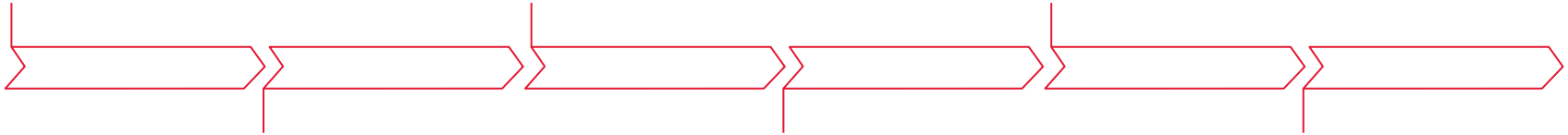
Problem Solution

- 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 



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Questions?

