

Case Study

Augmented Reality (AR) for Landscaping

Landscape Augmented Reality Project Overview

Another Reality Studio worked with the ForeverLawn company to create an iOS augmented reality (AR) application for landscaping projects. The app was created for the visualization, design, measurements, and estimating of projects for their internal team to help with the customer sales and quoting process. The application uses LiDAR on applicable iOS devices for precise measurements.

Key Augmented Reality Features

- Measure area using an iPhone or iPad with LiDAR capability. The application scans the area of work using LiDAR for accurate measurements. The user taps virtual points on their device using the camera to see into the real world environment.
- Augmented reality used to add digital trace points to the area of work.
- Accurate dimensions are measured and displayed between points.
- LiDAR is used to locate AR objects fixed in real-space.
- Multiple landscaping products integrated into the app.
- App displays accurate and realistic looking assets from ForeverLawn Catalog.
- Screenshot capability to give clients a digital view of potential landscaping over their real world environments.
- Opacity slider for greater digital and real world control.



Challenges and Core Considerations

- End clients had trouble visualizing landscaping products and how they would fit within their property.
- The client had a very arduous process of getting measurements for properties they were working with.

Impact: The ARS Augmented Reality Solution

- ARS created a custom application that runs on iPhone and iPad with LiDAR capabilities.
- This application created a comfortable solution to visualize select products ForeverLawn offers.
- Clients gain efficiencies through the application to show in real time what their products will look like on the property and give accurate measurements.

