Alpha Presentation
AR Model Management Platform

The Capstone Experience

Team Dow
Matthew Dennis
Nathan Kurt
Harrison Sanders
Minkeng Zhou
Thomas Diaz
David Slimak

Department of Computer Science and Engineering
Michigan State University
Spring 2019
Project Overview

• Augmented Reality Application
• Platform Allowing Marketing Professionals to View Dow Product Models
• Models are Managed and Updated from Central Storage
System Architecture

Dow Admins -> Unity Interface -> Asset Bundle -> SharePoint Online

Dow Admins -> Unity Interface -> ARCore

Dow Marketing Professionals -> iOS App

Dow Admins -> Unity Interface -> ARKit

Dow Marketing Professionals -> Android App

SharePoint Web API

AR Model Management Platform
Model Selection
Model Customization
AR Model View
Model Highlighting
What’s left to do?

- Display All Available Models by Role
- Model Favoriting
- Searchable/Sortable List of Models
- Download/Caching Models
- Make Models Movable/Rotatable
- Model Highlighting Information
- Show User Info/Options
Questions?