

**MICHIGAN STATE**  
**UNIVERSITY**

## Beta Presentation

# Navigating Campus Using Augmented Reality The Capstone Experience

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*From Students...  
...to Professionals*

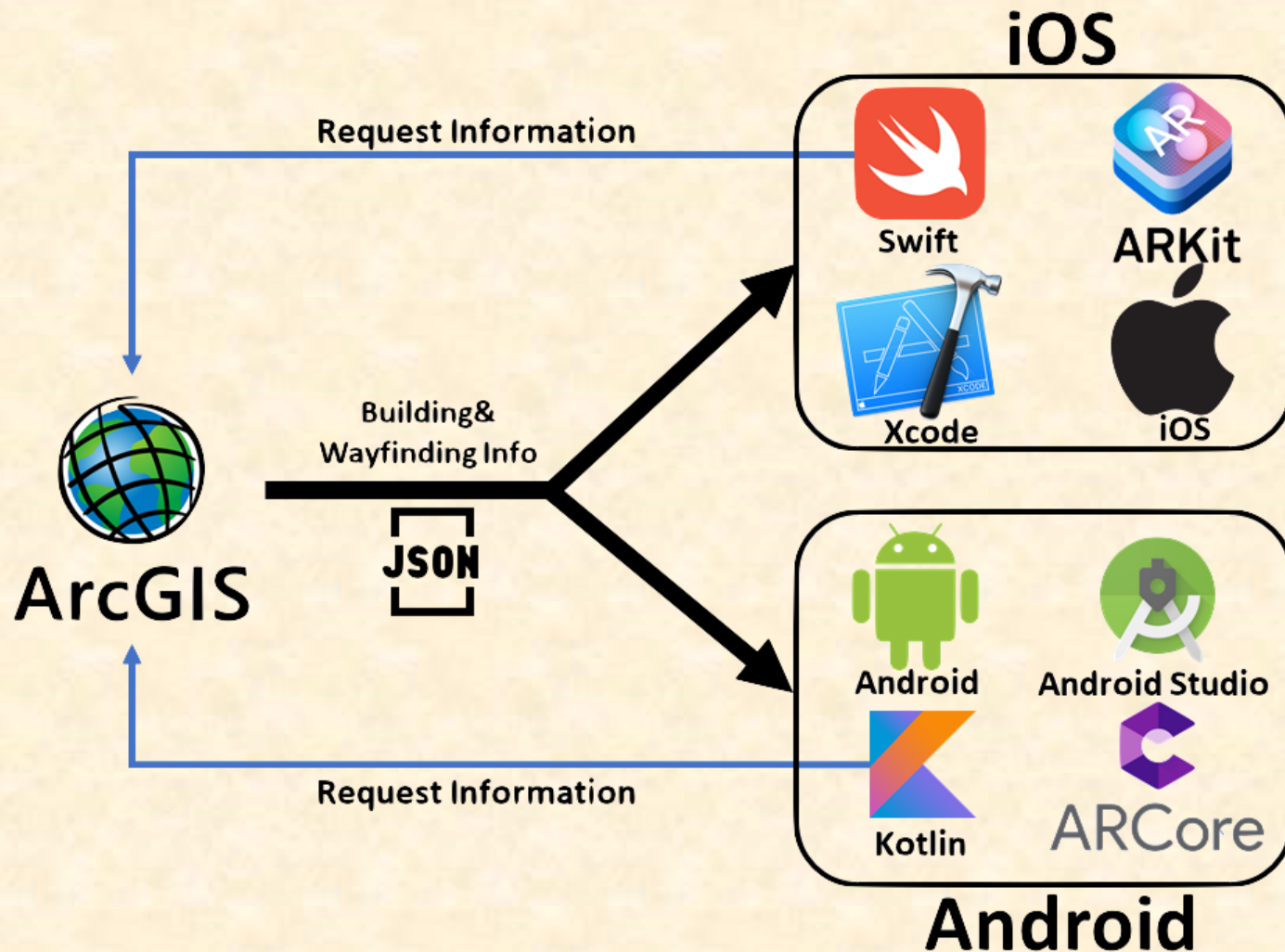
Department of Computer Science and Engineering  
Michigan State University  
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# Project Overview

- Labeling buildings
  - Currently, many buildings on campus are similar looking and labels of building names are not obvious
  - By using our app, users can see a building name on top of each building and some descriptions using AR
- Wayfinding
  - Navigating campus using a physical or digital map is slow because a user needs to know surrounding information
  - AR tech can make navigating and exploring campus easier and more intuitive for new students and visitors by inserting graphics into the real world



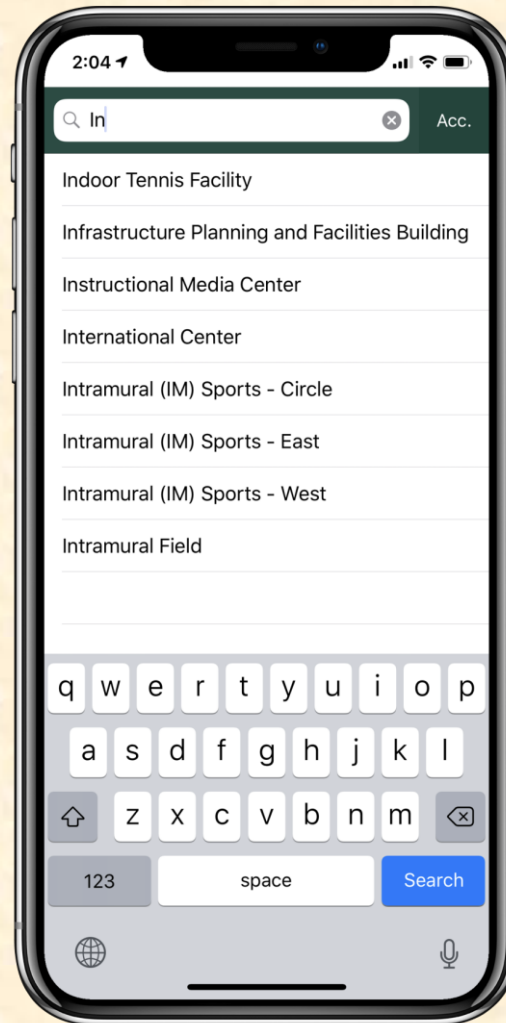
# System Architecture



# iOS Touring



# iOS Searching

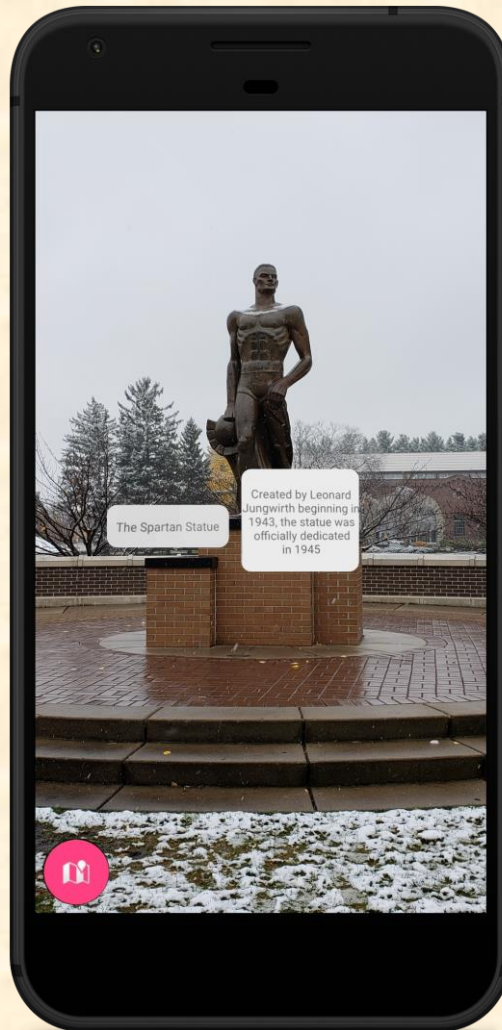




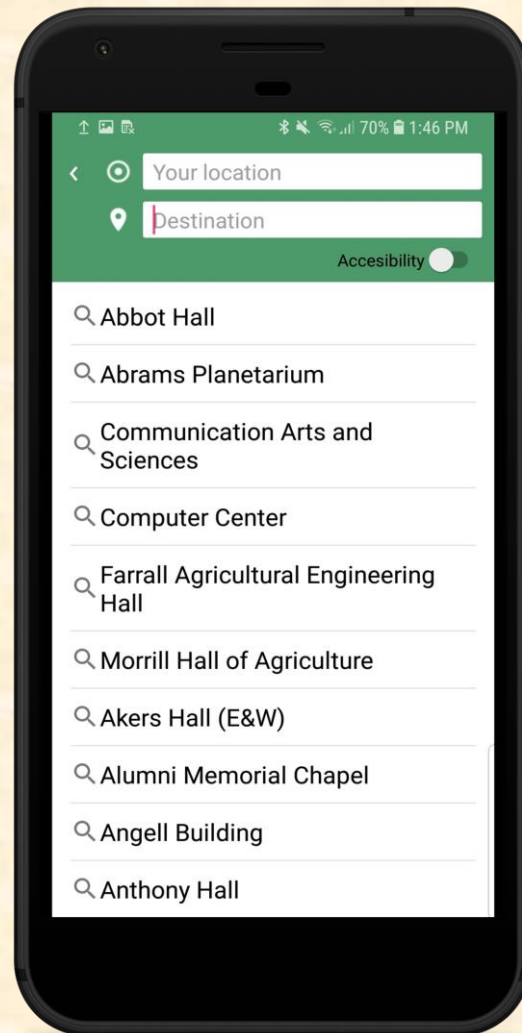
# iOS Wayfinding



# Android Touring

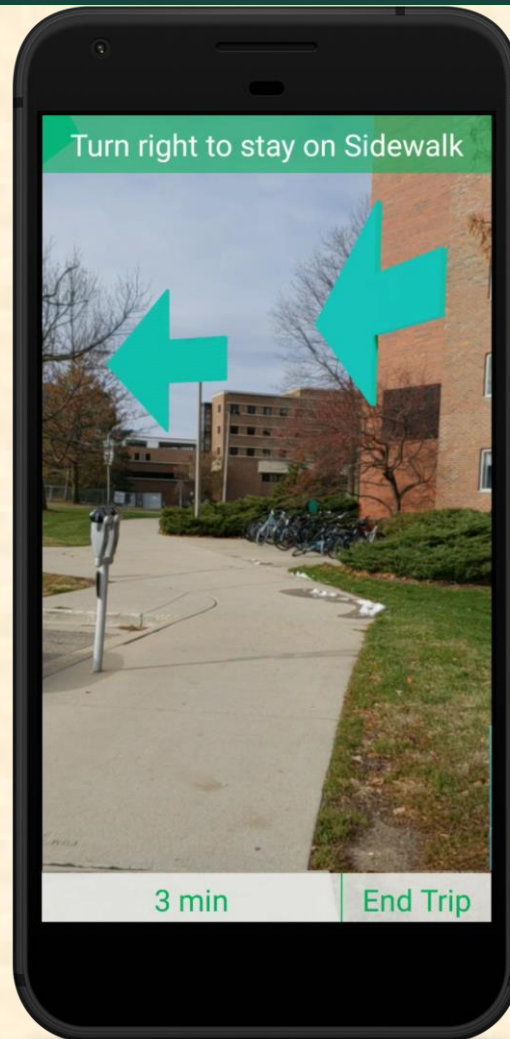


# Android Searching





# Android Wayfinding



# What's left to do?

- UI improvements
  - Show better ETA
  - Match the app icon
  - Have a unique style for labels that are clickable
  - 2D mini-map
- How-to dialog
- Alert when the user is too far off path

# Questions?

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