From Students…

…to Professionals

Beta Presentation

Image Recognition, Annotation and Validation Mobile Application

The Capstone Experience

Team Whirlpool

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Fall 2018
Project Overview

Problem:
• Lack of realistic training photos to achieve high object recognition accuracy.

Project Objective:
• Improve Yummly’s image recognition data model.
• Collect annotated photos from Whirlpool employees.
• Evaluate correctness of annotations through validation interface.
System Architecture

- TensorFlow Lite
- Admin Dashboard
- Android
- iOS
- User Creation/Sign-In
- Image Storage
- Backend API
- Authentication
- Storage
- Cloud Functions
- Firebase
Image Capture Interface
Annotation Interface
Annotation Interface: Completed
Validation Interface
Admin Dashboard

The Capstone Experience
Team Whirlpool Beta Presentation
Admin Dashboard
What’s left to do?

• Testing
  ▪ User feedback
  ▪ Bug fixes
  ▪ Edge cases

• UI Design Finalization

• Documentation
Questions?