Imagine accessing patient data with the touch of a finger.
Project Overview

Mobile application that retrieves patient data through facial recognition
- Used by healthcare/medical professionals
- Android & iOS support
Design & Requirements

Live camera feed on mobile device -> Facial Recognition -> Patient Verification -> Patient Information
iOS App Demo

Patient ID: 0
First Name: Sharvita
State: CO
Appointment Reason(s):
  Headache, coughing, chills
Android App Demo
Challenges

Initial plan was to create a HoloLens AR app
  - Issues with development environment - deprecation of crucial features.
  - Plan changed to mobile app

Facial Recognition
  - Accuracy

Time
  - Due to all the changes, we were limited in time
  - Android app only has facial recognition - not enough time to complete development
Testing & Mitigation

User tests were conducted on 8 participants. We received feedback on the ease of use, accuracy, and design of the application.

**Facial Recognition Accuracy**

- **Apple**: 75%
- **Android**: 100%

**Other Feedback**

- Easy to Use
- Quick

**Issues**

- iOS patient screen cutoff on certain iPhone models
  - Fixed
- iOS facial recognition accuracy varied
  - Trained the model more to improve accuracy
Technology Transfer

Transferred to our client through GitHub
Thank you!