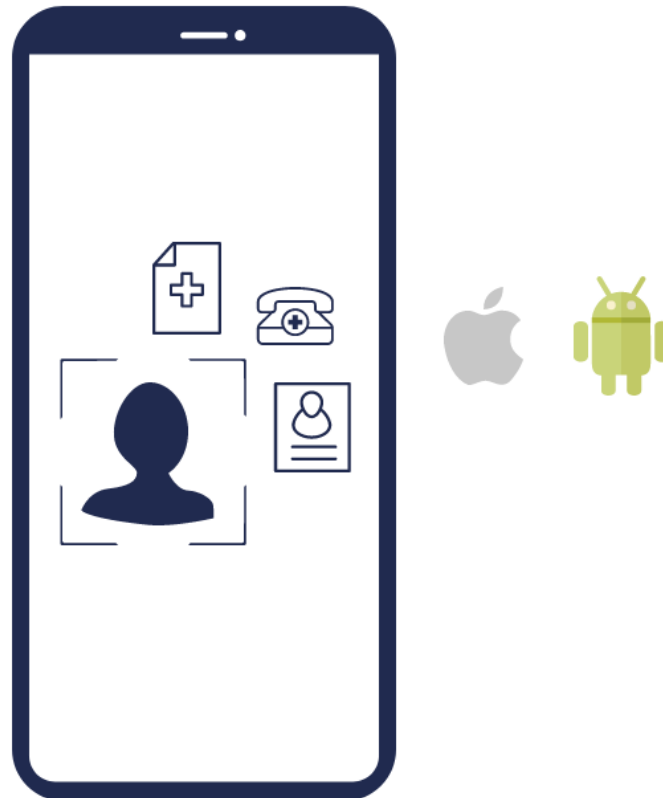# HealthC(AR)

Peter Nguyen, Sharvita Paithankar, Ayesha Perwaiz, Owuraku Yeboah

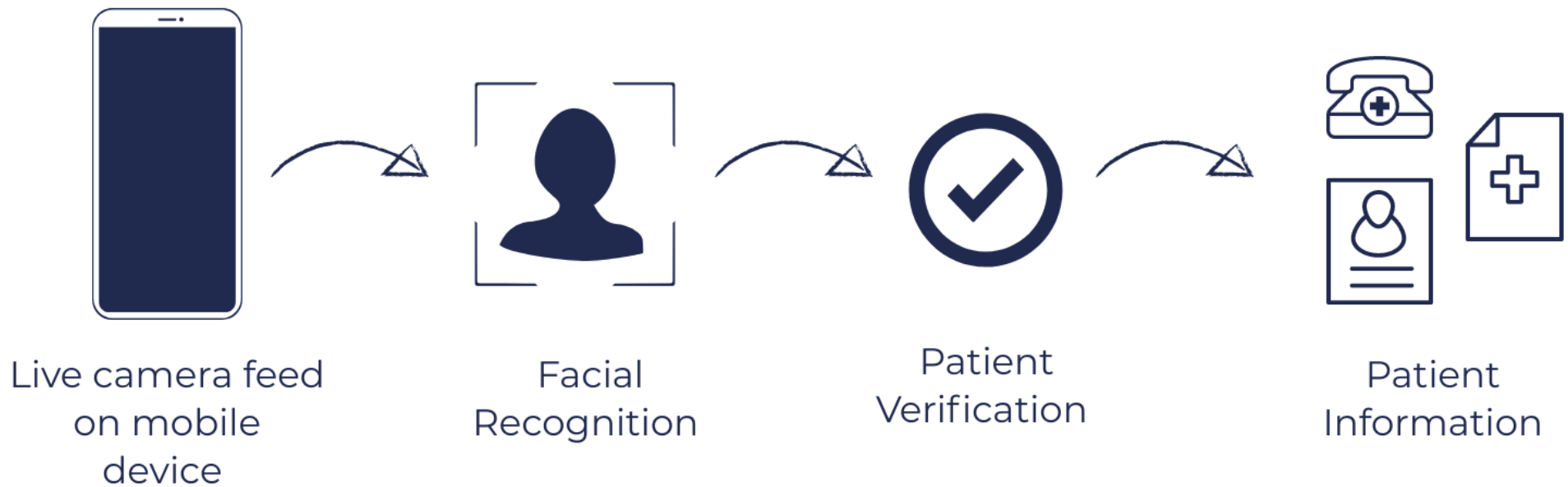Imagine accessing patient data with the touch of a finger

Project Overview

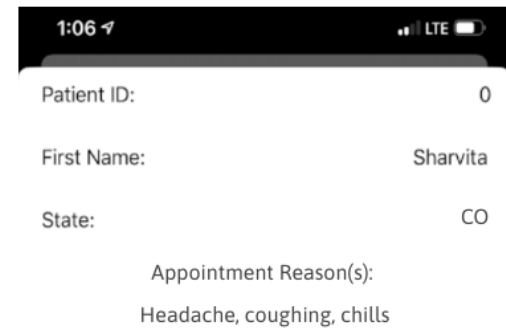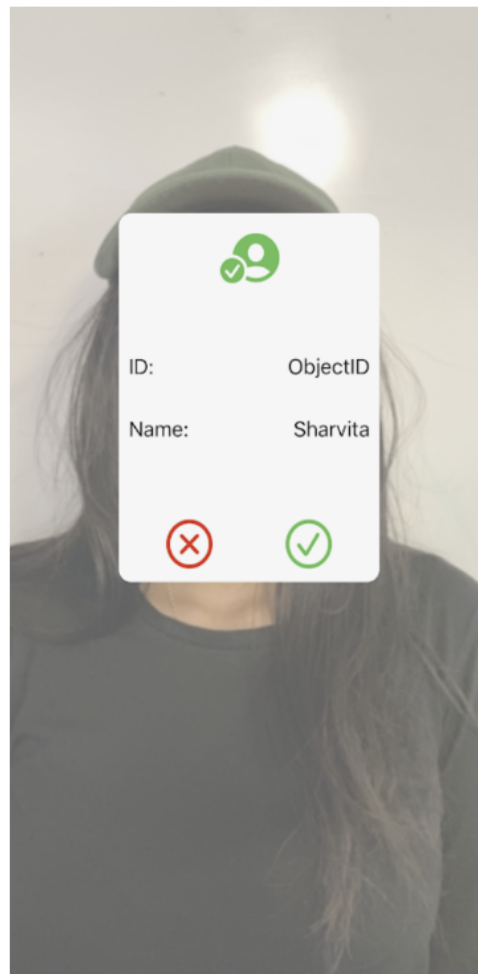Mobile application that retrieves patient data through facial recognition
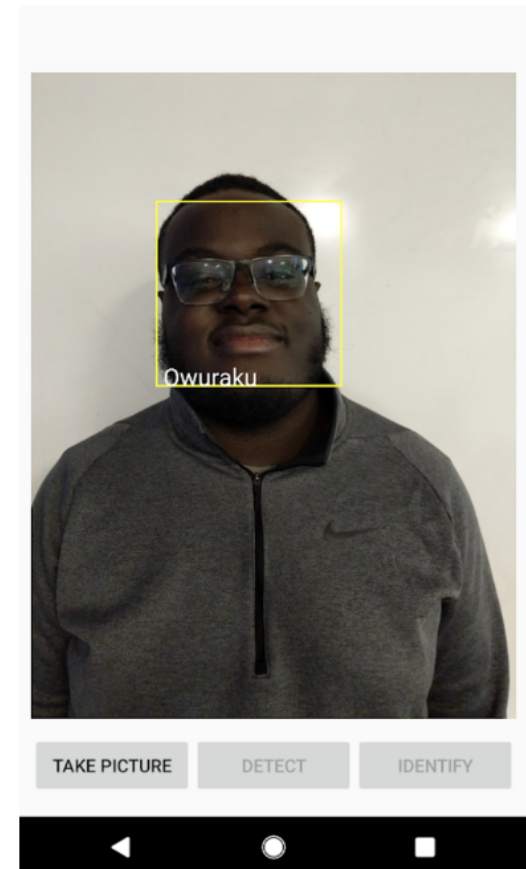- o Used by healthcare/medical professionals
- o Android & iOS support

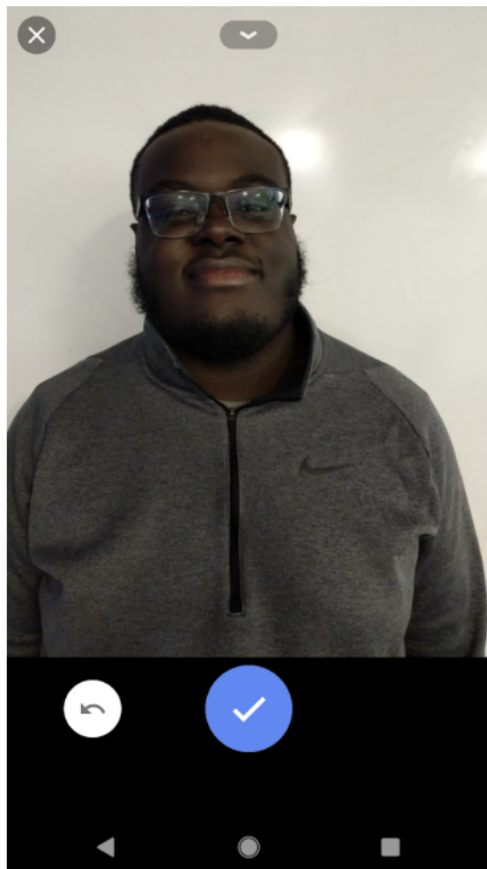# Design & Requirements

Live camera feed on mobile device → Facial Recognition → Patient Verification → Patient Information

iOS App Demo

ID: ObjectID

Name: Sharvita

Patient ID: 0

First Name: Sharvita

State: CO

Appointment Reason(s):

Headache, coughing, chills

Android App Demo
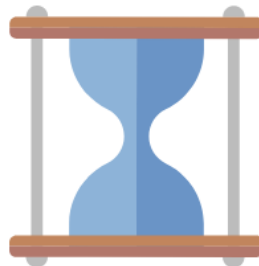
Challenges

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

75%

100%

Other Feedback

Easy to Use

Quick

Issues

iOS patient screen cutoff on certain iPhone models
  O Fixed

iOS facial recognition accuracy varied
  O Trained the model more to improve accuracy

Technology Transfer

Transferred to our client through GitHub

Thank you!