


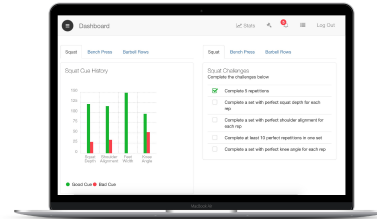


Motivation

-  Personal trainers are a serious time and financial commitment
-  Busy schedules make it hard to maintain a schedule of workout sessions
-  Poor knowledge of an exercise greatly increases the chance of injury



Team Members






Sam Kim *Team Lead*
Nikhil Patil *Scribe*

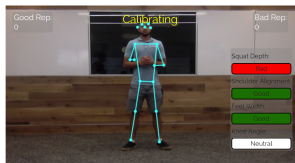


Eric Freilafert *Developer*
Ethan Su *Developer*
Aryaman Das *Developer*

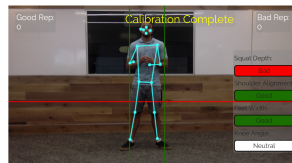
Our Solution

-  Visual feedback to guide the user towards proper form during workout
-  Audio feedback to instruct and correct user based off performance
-  Collect and display analytics about the user's progress over time

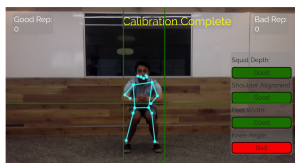
Application Overview



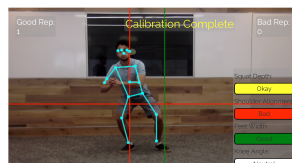
Calibration Stage



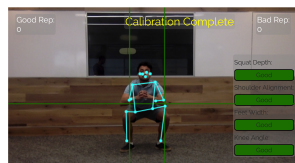
Exercise Stage



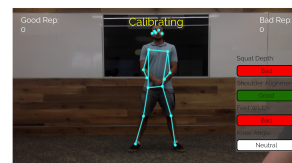
Knee Angle



Shoulder Alignment



Squat Depth



Feet Width



User launches analyzer and performs exercise

Real-time audible and visual feedback

User reviews workout history and progress

System Design

