

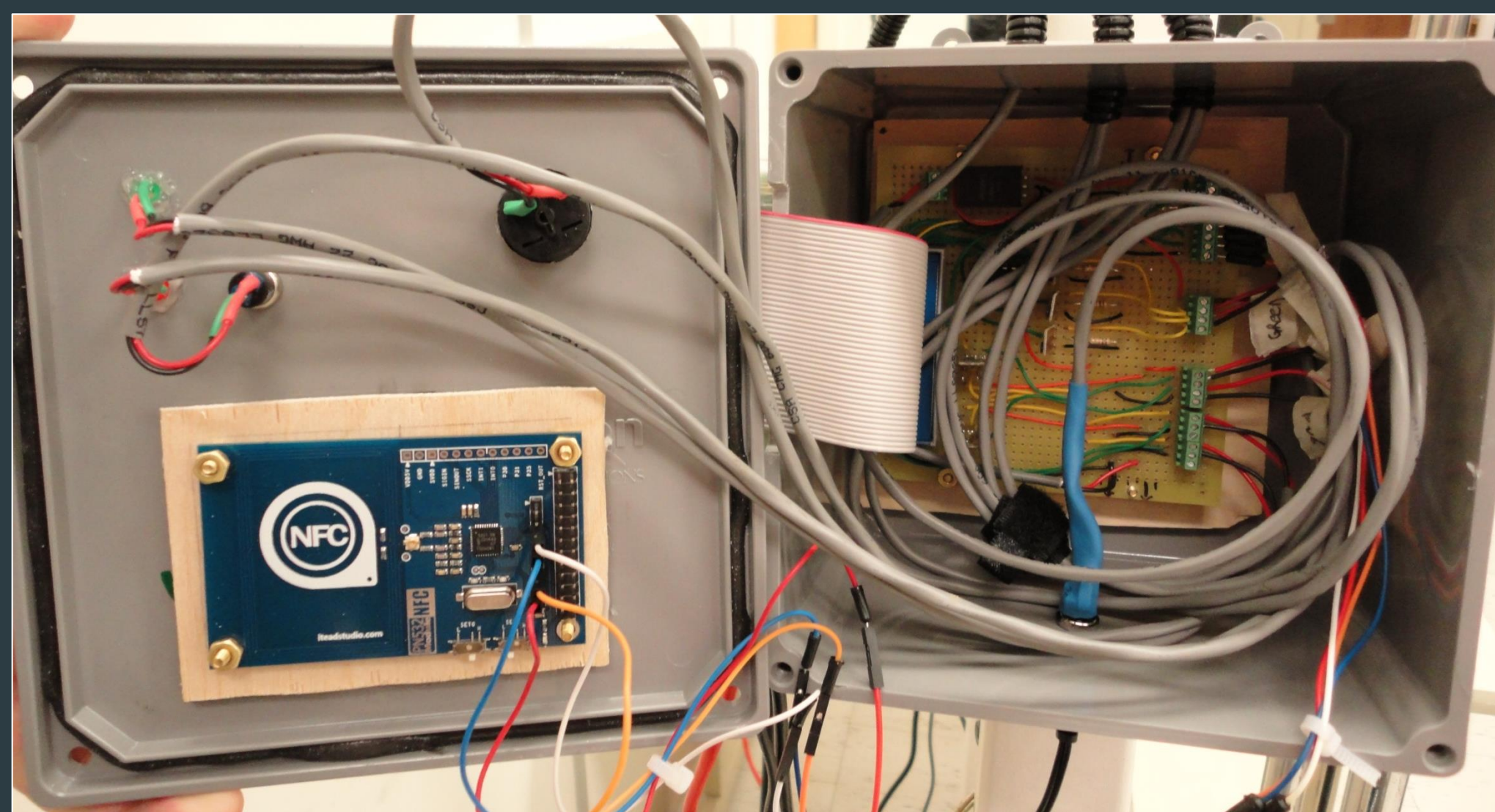
# GYMTRON

*The Automatic Weight Training Tracker.*

## Project Objective:

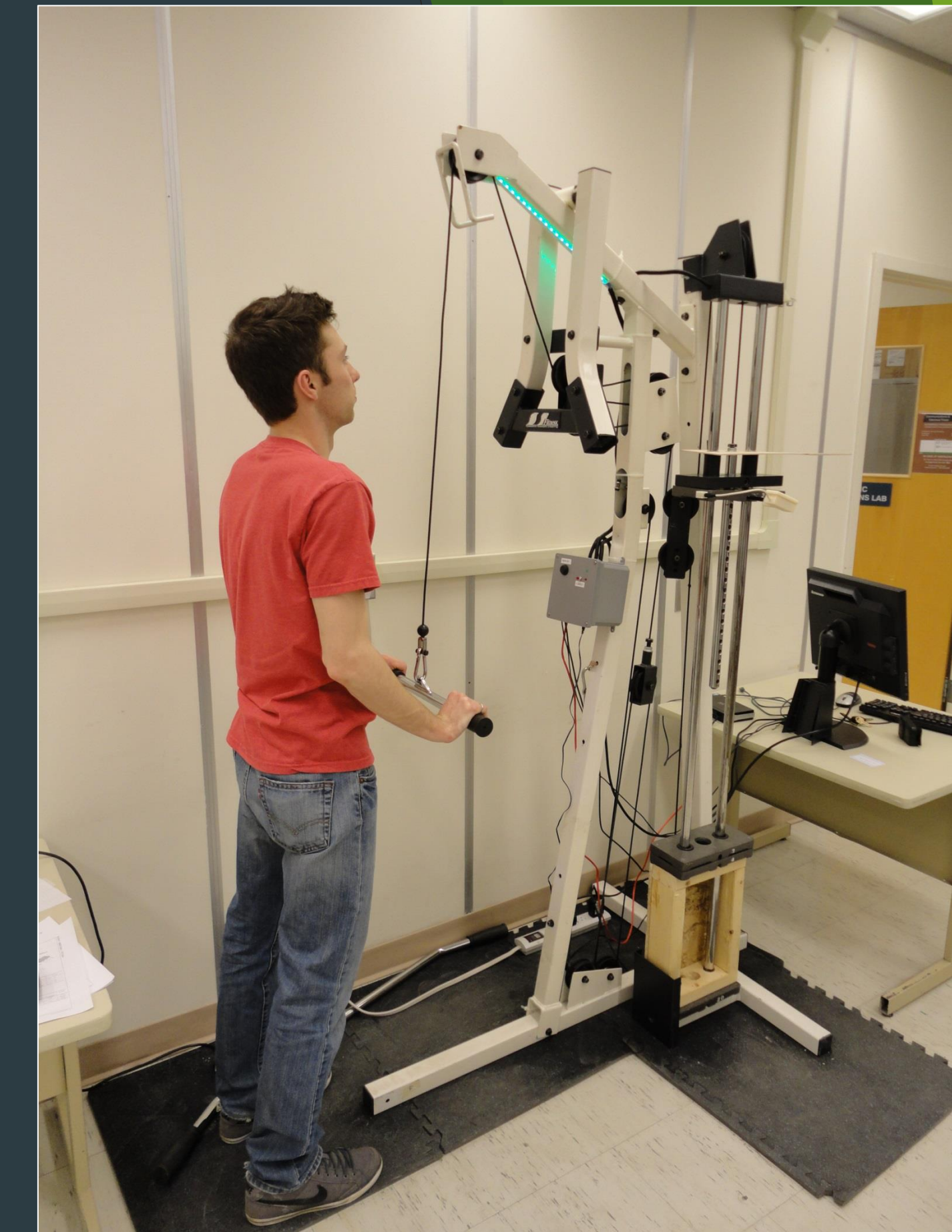
Gymtron aims to track a user's workouts, in an automated fashion that requires little to no input from the user, and also allows the user to view their data on a webpage.

Applications include tracking the progress of rehabilitation patients and monitoring research study participants



## Features:

- Swipe card sign in
- Built in Webserver
- User Feedback via LED lights
- Logs sets, reps, weight, time, and date for each workout
- Progress viewable via webpage



## Components:

- Raspberry Pi used as the microprocessor and webserver
- Ultrasonic sensor used for measuring reps
- ITEAD NFC device used to read cards
- Bluetooth connected microcontroller to monitor weight

