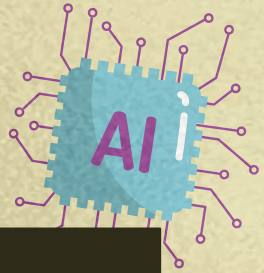
# One Call Away

## STEELHACKS

By: Austin, Ly, and Morgan

# Do you know somebody who is over the age of 65?

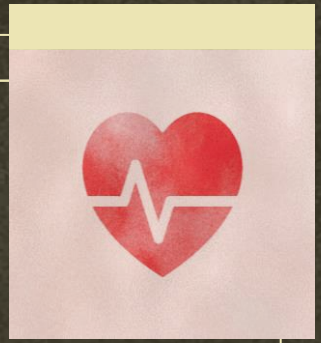



# 1 in every 4 Americans that are 65+ fall every year

That's a lot

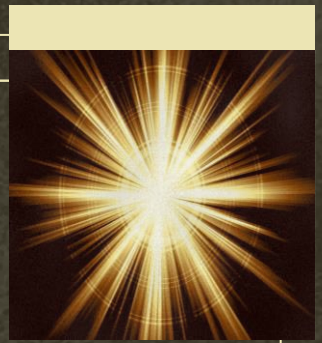
# Others

## Heart Attacks



805,000 Americans every year

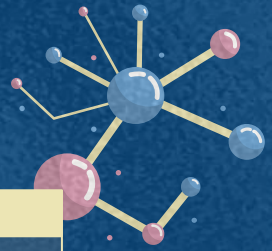
## Seizures



3.4 million Americans

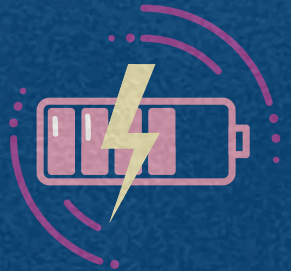
## Anemia

2.8 million Americans



“Everybody is at risk for all of these things during their lifetimes”

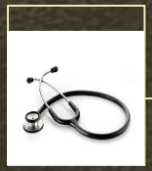
— Unknown



# Current Solutions

## Watches

Forgetfulness, it is easy to forget to put on a watch



## Jewlery with Call Buttons

Unreliable, if someone is unconscious

## Home Nurse

Expensive, can't be watched the whole time

# Anti-Fall Detection

Not only is it always there, but people don't have to worry about remembering about it

# What we used

- Python
- OpenCV
- YOLO
- Twilio
- Pygame

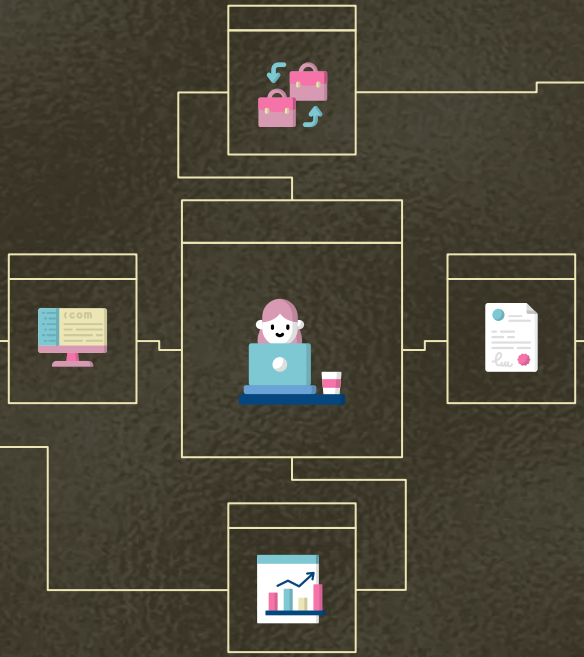
# If we had more time

## Change #01

False fall protection

## Change #02

Detect loud noises

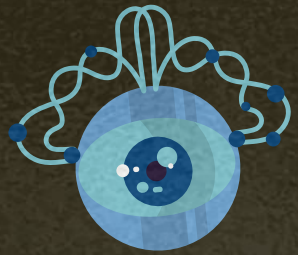


## Change #03

Send text messages

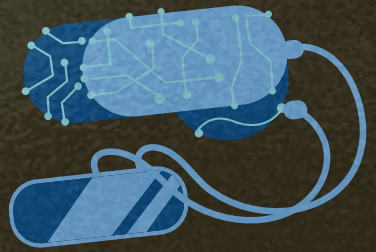
## Change #04

User interface to turn fall detection on/off



# The Future

This could be expanded to be in homes everywhere. Right now, there are cameras everywhere for security, but what if we expanded that to medical as well? From homes to restaurants, it could save lives.



# The End

Thank you for listening!!!

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