

Problem

46,493,580*

Cases detected

1,201,902

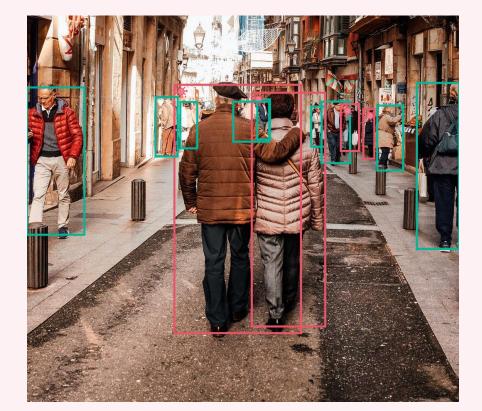
Deaths

Spread rate & Low usage of contact tracing apps



Solution

Estimating social distance













Stop the spreading: Know how crowded a place is & the human dispersion







@supermarket



Stop the spreading: Know how crowded a place is & the human dispersion









@tourist
attractions



Stop the spreading: Know how crowded a place is & the human dispersion





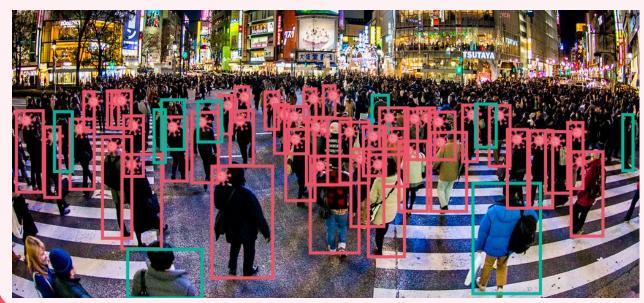


@the subway



Stop the spreading: Know how crowded a place is & the human dispersion







On the streets

TE

Statistics - know if the distancing was respected







@public events

Statistics - know if the distancing was respected















Sociology - study cultural differences based on distances between people



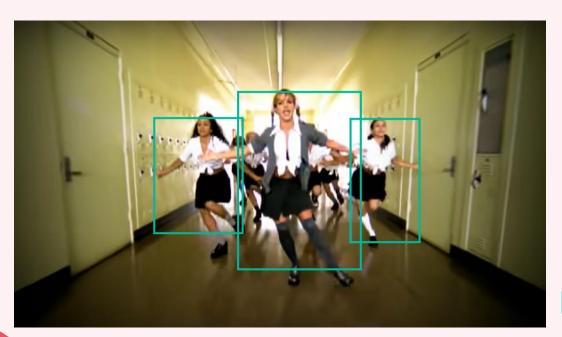






Entertainment - check the social distancing in:







Britney's videos

Entertainment - check the social distancing in:







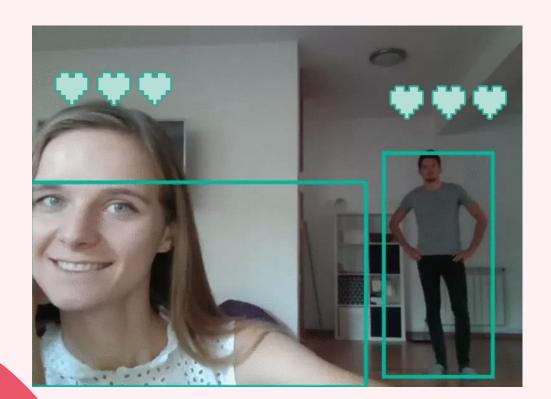


Famous pictures

TE

Entertainment – TikTok games





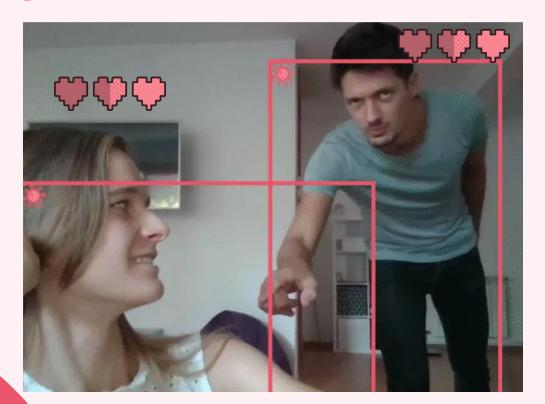




T.F.

Entertainment – TikTok games









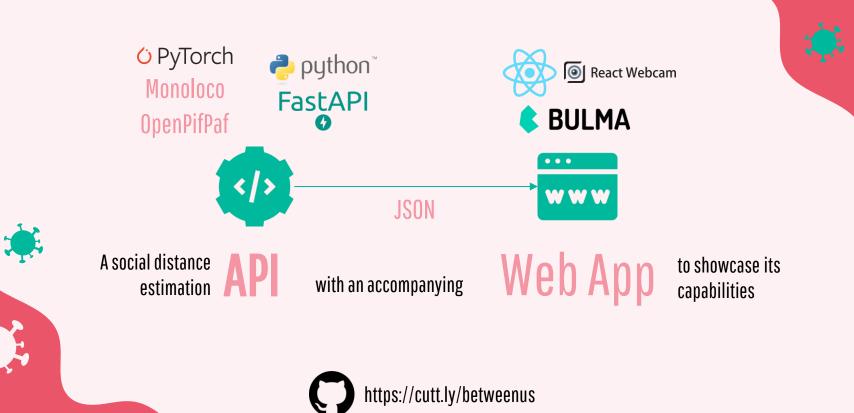
Timeline

01

Ideation



Solution



Approach: API



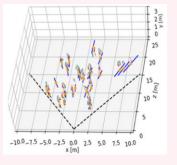


Detect poses using OpenPifPaf





Transpose to 3D locations using Monoloco





Calculate distances and future positions using heuristics





Approach: Web app





Upload single image



Live webcam feed



Render on HTML canvas







Demo











THANK YOU



Loredana Gheorghe

BI Developer

Alexandru Constantin

Software & ML Engineer



https://cutt.ly/betweenus