ROOM DETECTOR

Lucrare de licență propusă de Broască Ioan Iulian

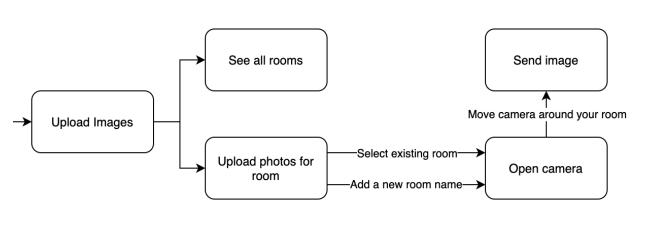
Coordonator științific Drd. Colab. Florin Olariu

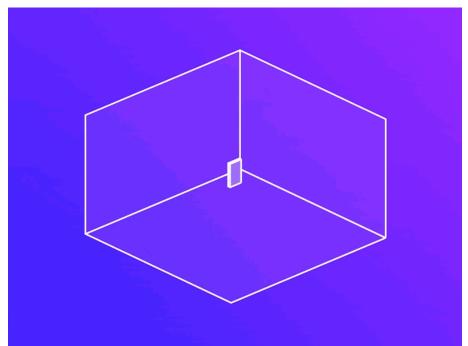
AGENDA

- Descrierea aplicației
- Cercetare
- Platforme
- Tehnologii
- Algoritmi
- Demo
- Concluzii

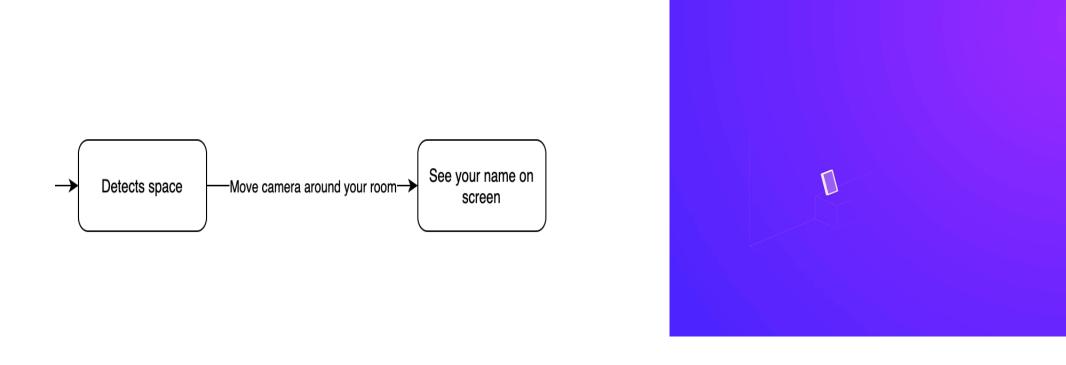
DESCRIEREA APLICAȚIEI

DESCRIEREA APLICAȚIEI See all rooms Send image Move camera around your room Upload Images -Select existing room-Upload photos for Open camera room -Add a new room name---> Unity App See your name on Detects space ─Move camera around your room → screen





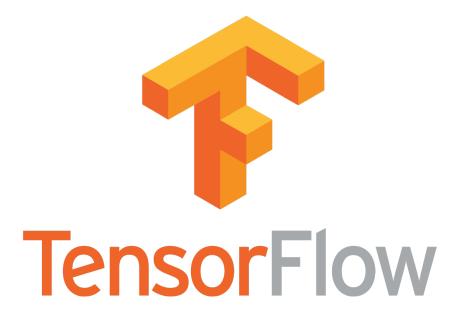
UPLOAD IMAGES



DETECTS SPACE

CERCETARE

TENSORFLOW



OPEN-CV



PLATFORME

UNITY ENGINE



TEHNOLOGII

AR FOUNDATION **ARKit ARCore**

FLASK

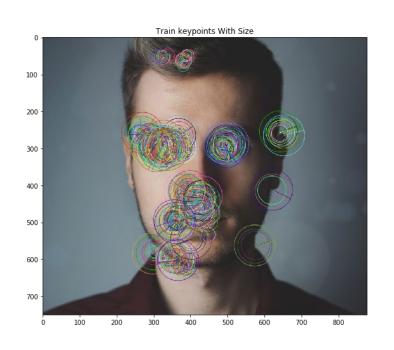


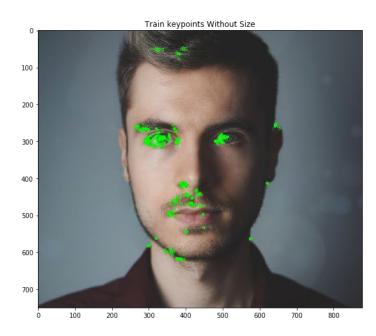
OPEN-CV



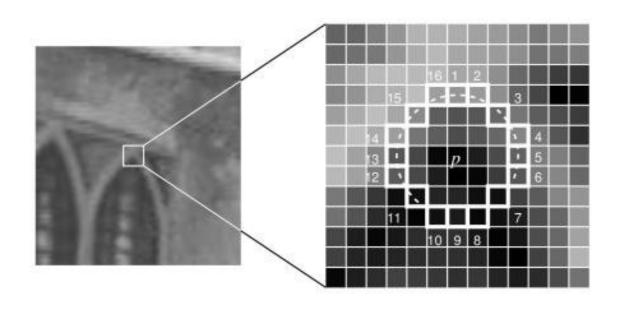
ALGORITMI

ORIENTED FAST AND ROTATED BRIEF (ORB)

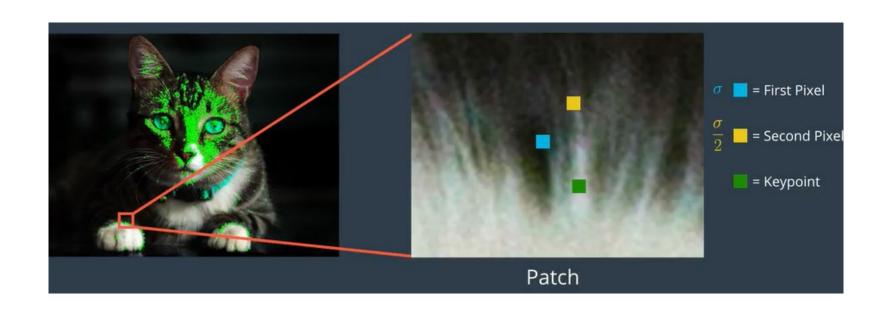




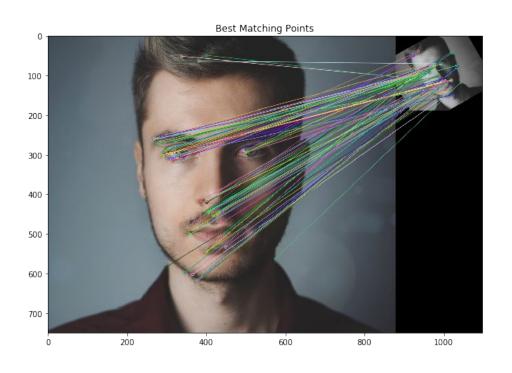
FEATURES FROM ACCELERATED AND SEGMENTS TEST



BINARY ROBUST INDEPENDENT ELEMENTARY (BRIEF)

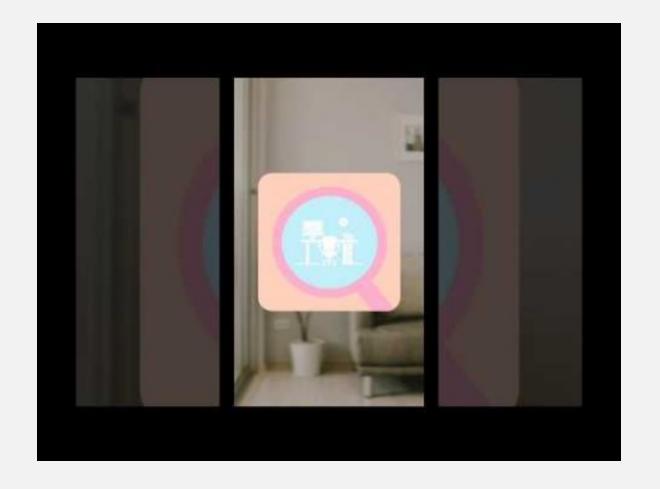


BRUTE FORCE MATCHER (BFMATCHER)



DEMO

DEMO MODUL "UPLOAD IMAGES"



DEMO MODUL "DETECTS SPACE"



CONCLUZII