

# Game-Text-Extraction

Kaan G

# What did I make

- App can watch gameplay-video
- Output all the enemies their names found in the video

Searching for players...



P1

CP2

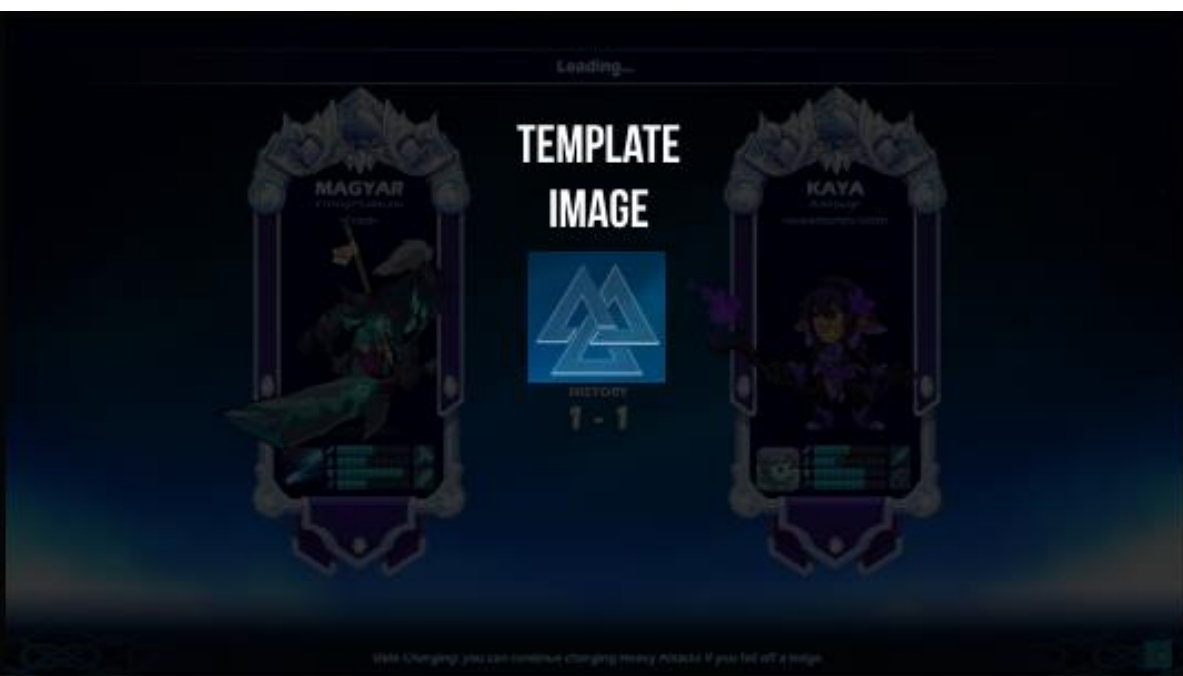
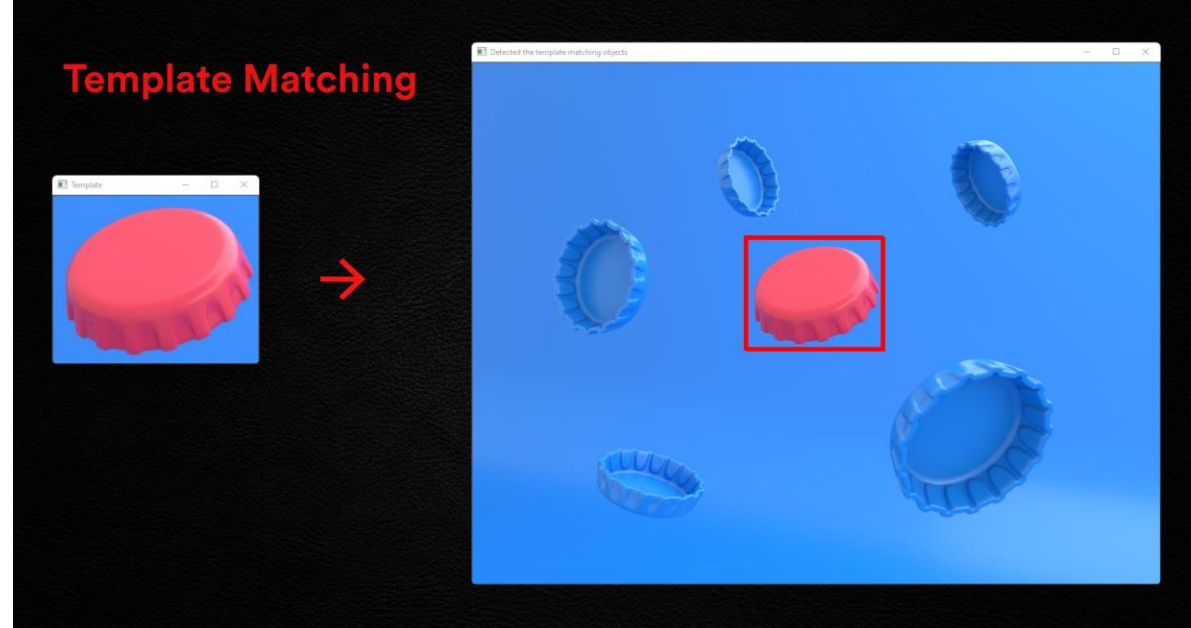
CPU



# Main Steps

- Obtain desired frames using template matching
- Crop the image
- Optical Character Recognition

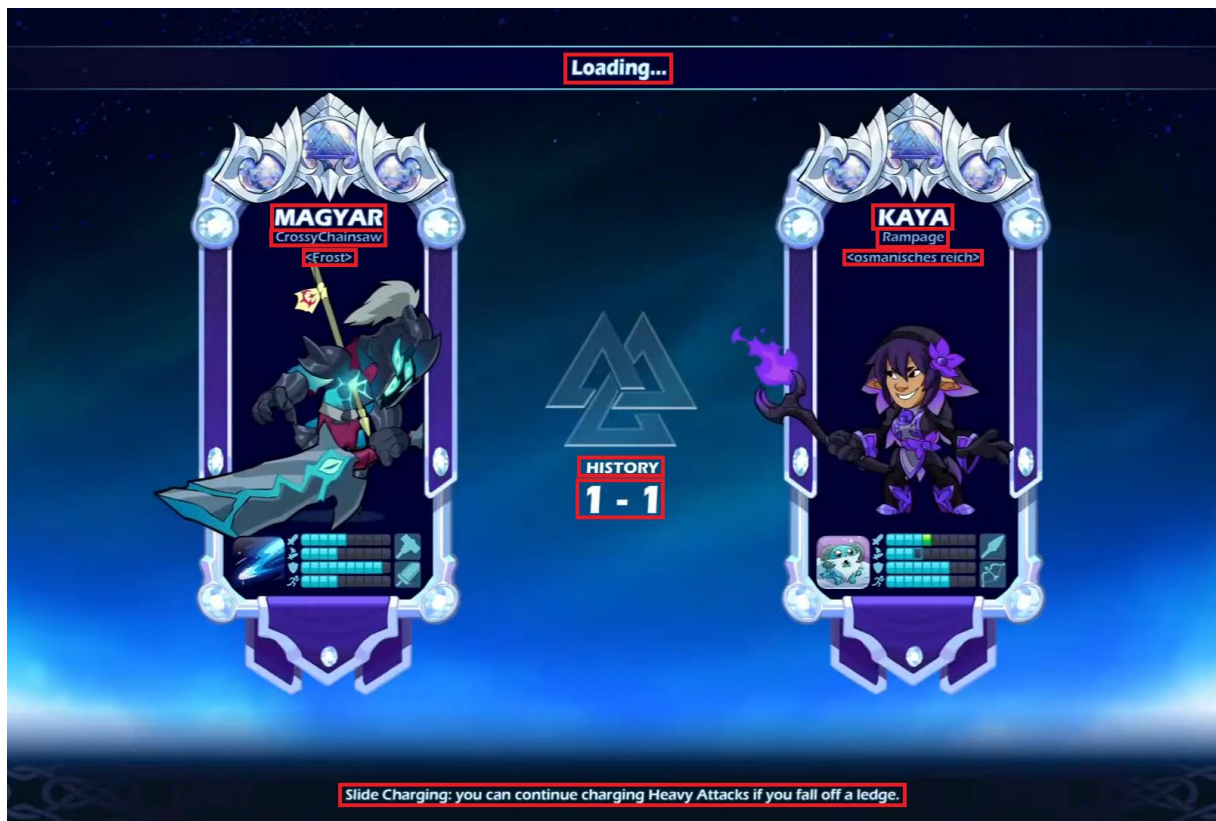
# Template Matching



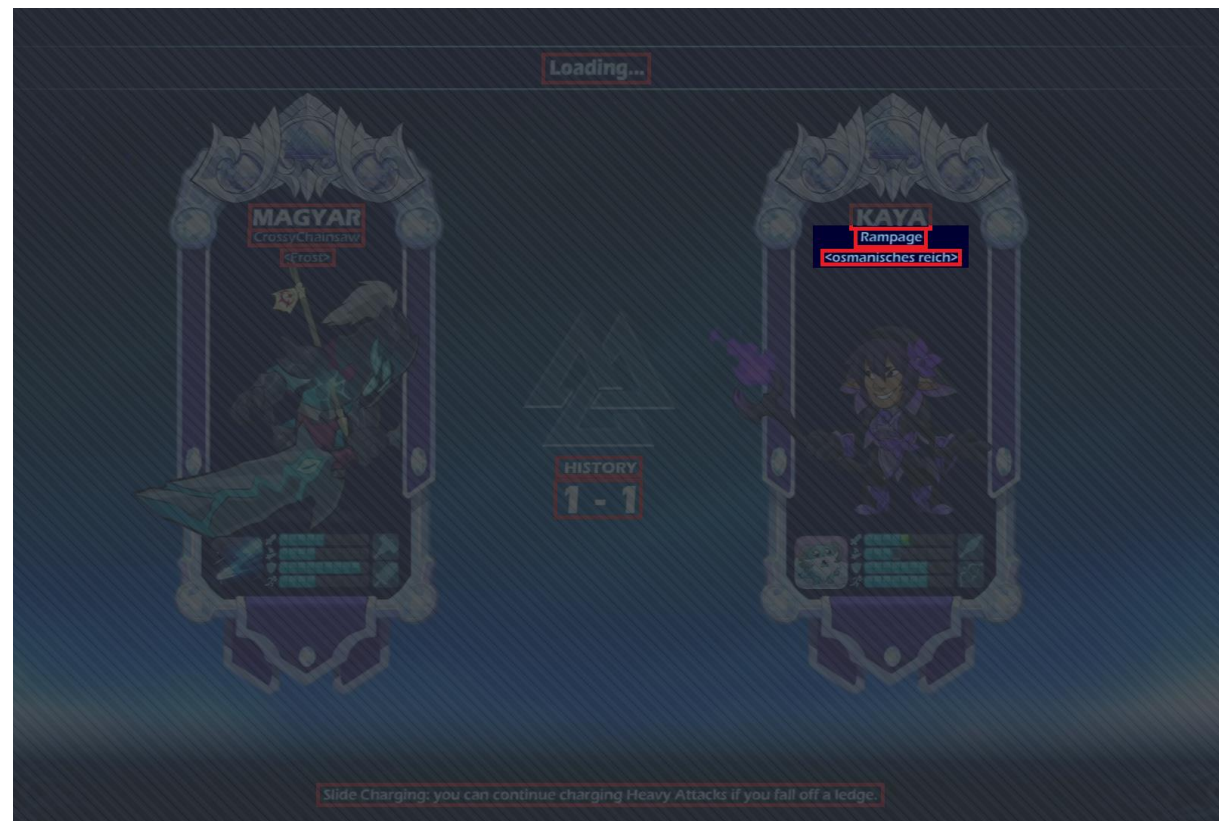


# Cropping the image

OCR on Screenshot



OCR on Cropped Screenshot

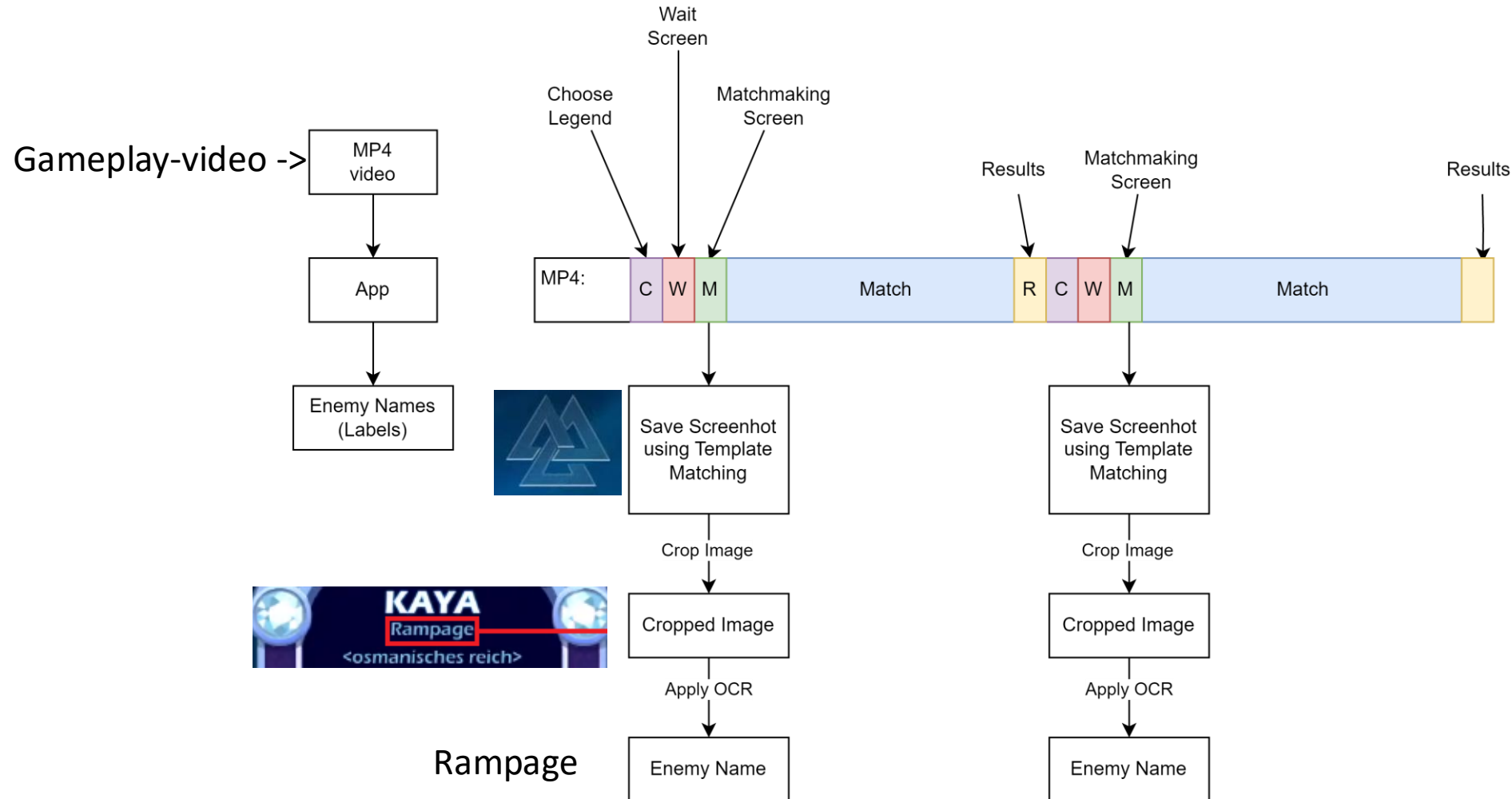


# Optical Character Recognition (OCR)

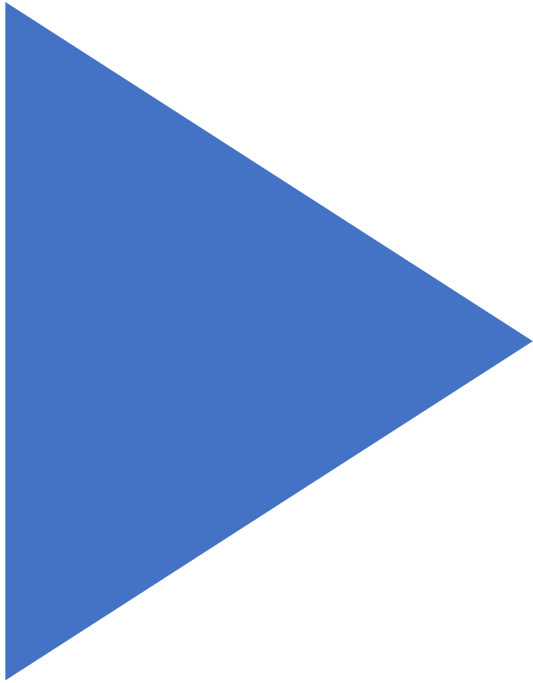


**Rampage**  
(Enemy Name)

# With all technologies combined the process would look like the following







Demo

# Result

- <https://www.youtube.com/watch?v=CCeUhPFygAE>