



# BoulderChroma hackaTUM 2019

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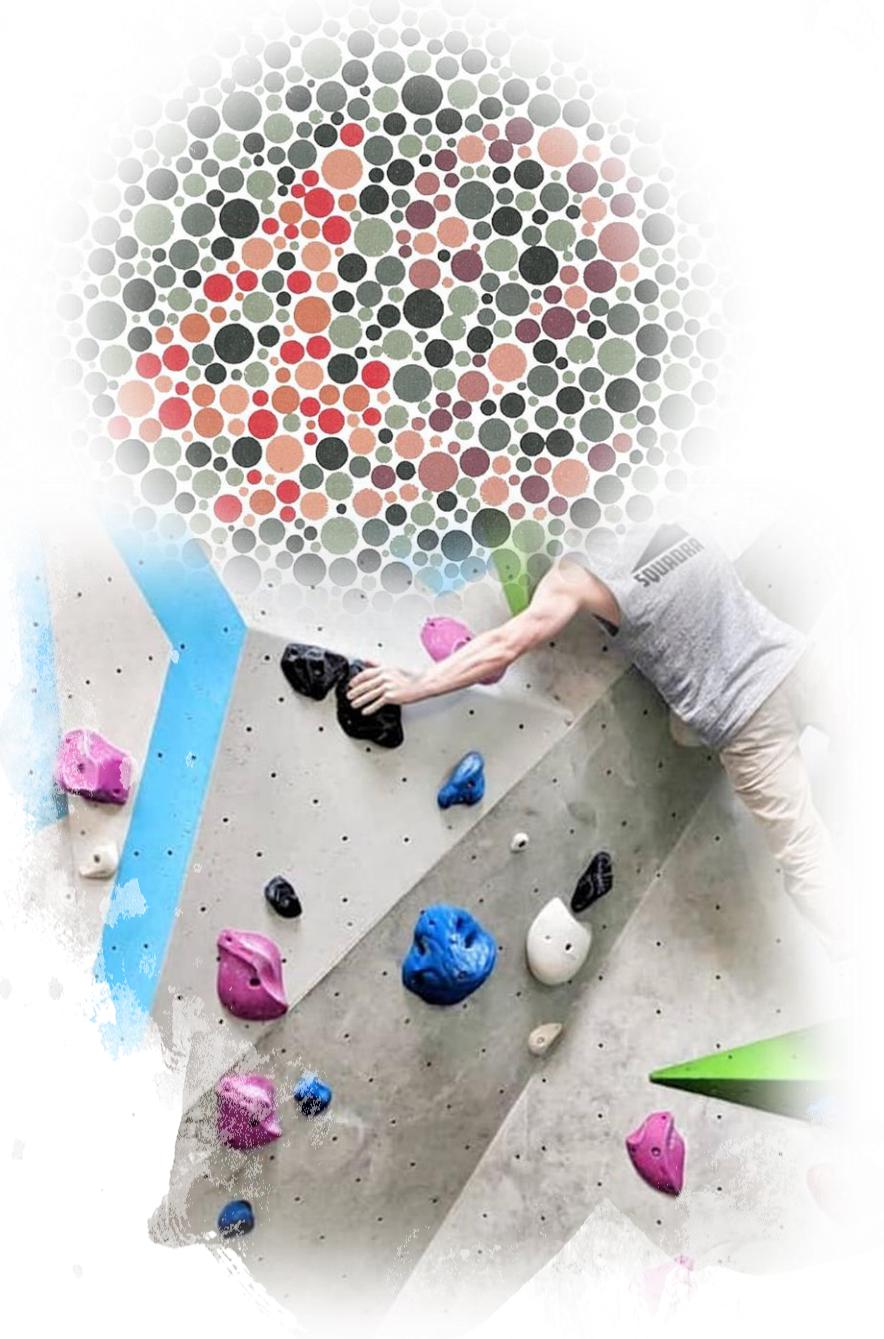
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# Bouldering

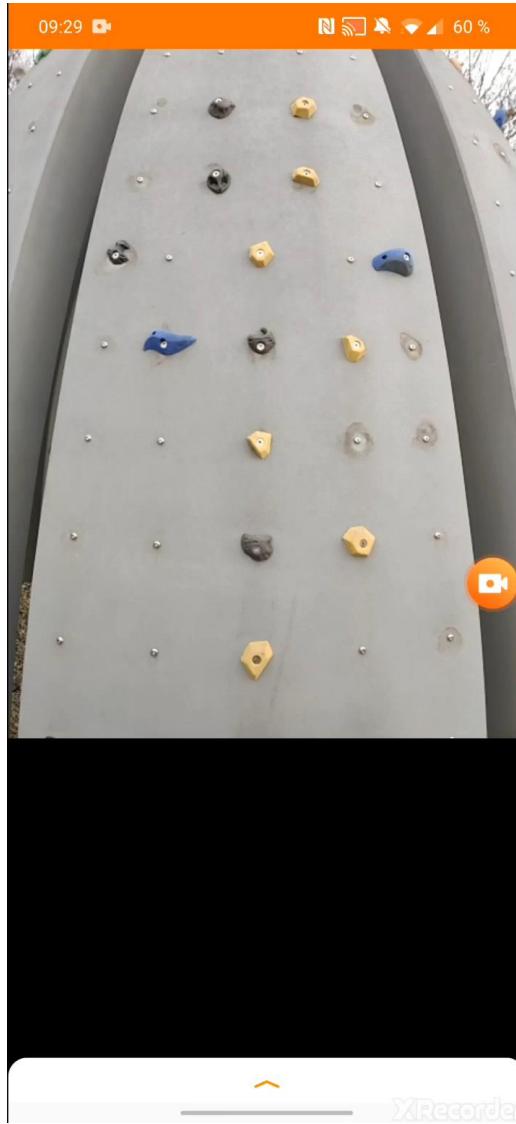
Climb a route to the top

- Don't fall down
- Use only one color!

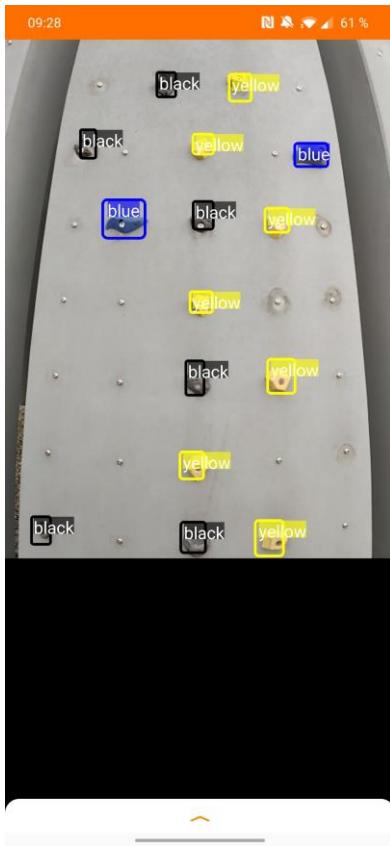
Sounds simple?



# Video



# Impressions



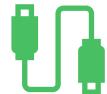
# Challenges



No Training Data



Detection of small  
objects



Integration of  
Tensorflow Light on  
Android



Reasonable  
Performance

# What we learned



Utilizing Microsoft Azure  
for computer vision tasks  
and machine learning



Augmented Reality



App Development

# What's next



**Improve image detection even further**

Slicing on prediction



**Detect climbers**

Works in our tests



**Use Azures text-to-voice service for advices**