



Aerial vision
for ground
troops

and other projects

Who we are

- 2 + 1 part time software developers
- 1 graphics designer
- Headquarters left behind in Kyiv 

Projects before the war

- App@Hololens for teaching Massage
- App with AR translation overlay/audio for printed books
- App@Hololens - RDP/SSH terminal

Current project

- Aerial vision for ground troops using consumer hardware
 - DJI Mavic Air 2s - \$700
 - DJI Mavic Advanced Industrial - *portable aerial thermo imaging solution* \$6000
 - MS Hololens 2 mounted on the helmet - *could be replaced by smartphone client in majority of situation* \$3000

Roadmap

1. Oracle

A. iPhone Ground Station app

- I. connects to DJI remote over DJI SDK
- II. Connects to system's server
- III. Broadcasts repacked video from drone via 4G connection
- IV. Pilots drone according to the instruction from the server

B. iPhone/Hololens 2 Fighter app and a webpage

- I. Displays received from broadcast Video from camera of drone
- II. Displays GPS coordinates of Drone and of the Fighter

C. System's server

- I. Supporting multiple concurrent connections of the iPhone Ground Station apps
- II. Efficiently and scalable records multiple drone camera streams

D. Hololens/Helmet mount 3d print

2. Raven

A. iPhone Ground Station app

B. iPhone/Hololens 2 Fighter app

- I. Shows GPS markers of recognized targets received from the System's server

Navalny sentenced to 9 years in prison by Russian court

C. System's server

- I. CV/DeepML (trained YOLO model) for recognition of humans, vehicles in aerial footage

- II. Tracking of targets

Russian aircrafts chose to drop bombs on the Mariupol infrastructure. Factories and industrial enterprises that provided employment and were the metallurgy centers of interest are being destroyed now by the enemy. Occupiers are trying to destroy Ukraine's economy in that way

1. On-board 4G/Starlink connectivity for DJI Mavic

2. Custom firmware for DJI Mavic

3. System's Server on Matrice 300 RTK

1. Direct control of DJI Mavic's

Russia may not stop with Ukraine – NATO looks to its weakest link

Russia summons US ambassador, warns ties with Washington on verge of collapsing

Russia threatens Poland in lengthy letter days before Joe Biden's visit

9 Awards

Russia threatens Poland in lengthy letter days before Joe Biden's visit

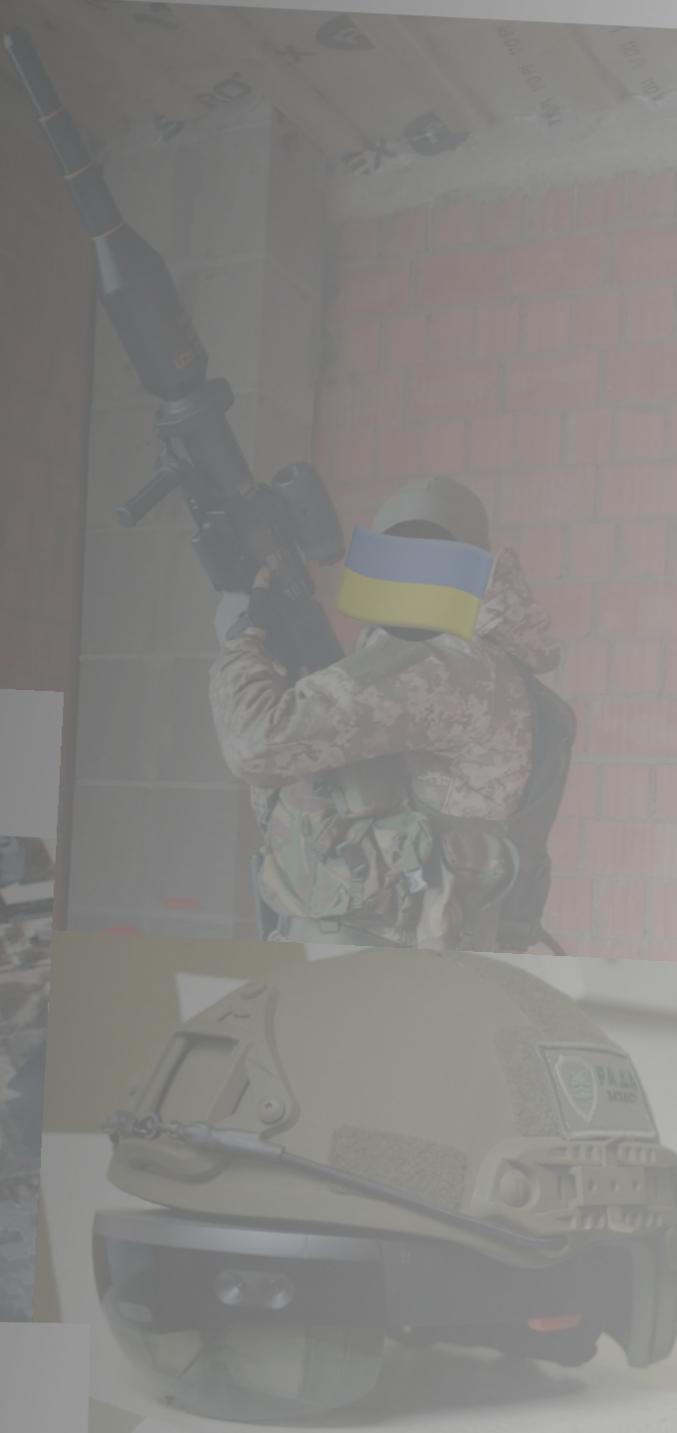
News

Home

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47 Awards

Ukrainian troops are now deploying Panzerfaust-3IT anti-tank weapons received from Germany. These systems can reputedly kill any Russian tank in service.



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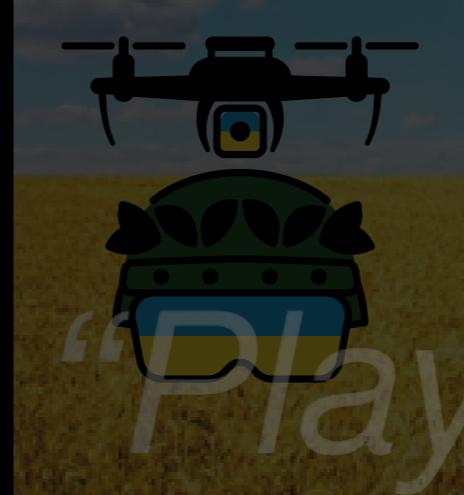
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D. Hololens/Helmet mount 3d print

DJI Mavic 2 Enterprise Advanced
MS HoloLens 2
DJI Mavic 2/3/Air
iPhone XR

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Press “**Play**”

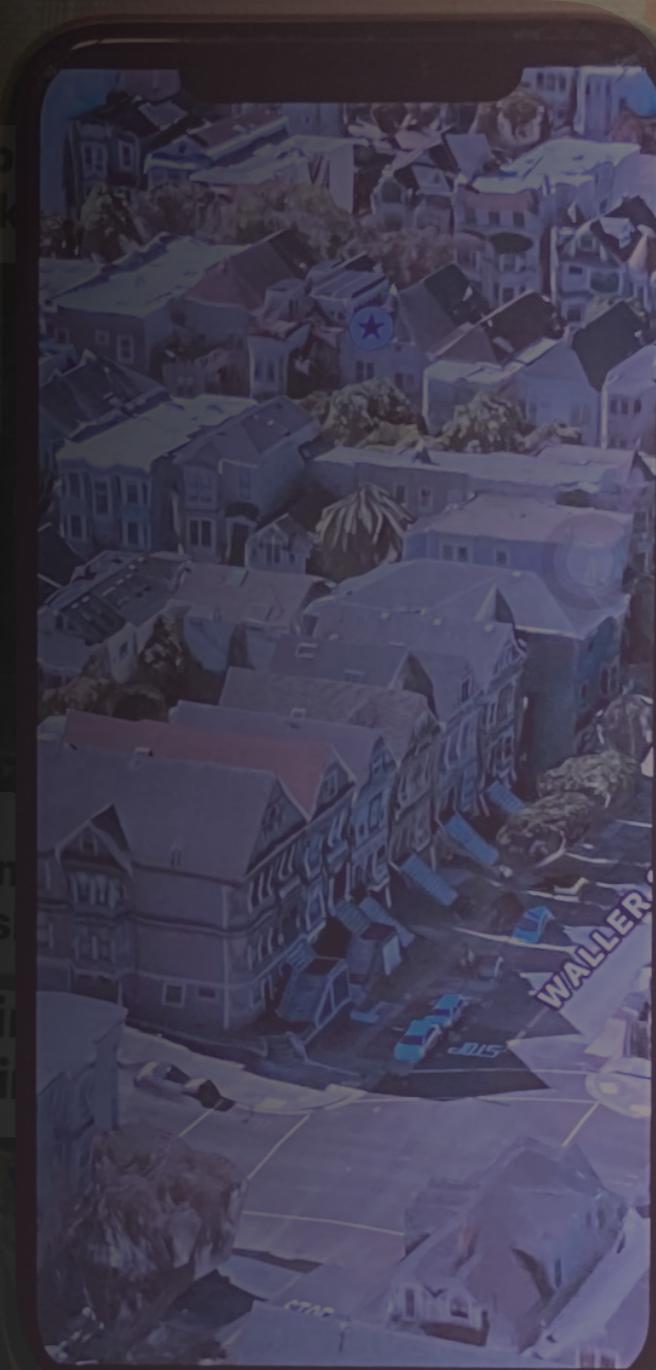


CV/ML Scientist
Mobile Software Engineer
Industrial Designer

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What do we have

- Dedicated people
 - Software engineer generalist
 - Unreal Engine software engineer
 - Part time iOS developer
 - Graphics designer
- Early technical prototypes
- Users/testers in Ukraine



What do we need

- Drones/Headsets
- New hires
 - ML/CV Specialist
 - Robotics engineer
- HQs in Ukraine

https://docs.google.com/spreadsheets/d/1-NtKYwN4m6r7G4Tm98FI7RFcuJ5Ybfkj8-hZJ_KEkY/edit?usp=sharing



\$ 341 k	Cost of first stage
\$ 61 k	Starting cost
\$ 47 k	Monthly Upkeep
\$ 4 k	Software Generalist Hire
\$ 4 k	SW hardware kit
\$ 4 k	Unreal Engine Developer Hire
\$ 4 k	SW hardware kit
\$ 4 k	Robotics engineer Hire
\$ 4 k	SW hardware kit
\$ 1 k	ML/CV specialist Hire
\$ 4 k	SW hardware kit
\$ 26 k	Mac Pro maxed out
\$ 7 k	Mavic 2 Enterprise Advanced
\$ 2 k	Heisha D80 Drone Dock
\$ 5 k	MS Hololens 2 Industrial

Support refugees in Europe:





ETH/USP T

Metamask