

# Abolfazl Tanha

AR/VR/Game/Simulation developer



## Contact

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## Skill Highlights

- Unity3D
- C# in unity
- Vuforia & AR Foundation
- VR Cardboard & Oculus
- Online multiplayer PUN
- Online Data Base FireBase
- OpenCV in Unity3D

## Education

- **Master: Software engineering**  
Islamic Azad University, Tehran 2018
- **Bachelor: Software engineering**  
Islamic Azad University, Tehran 2015

## Work Experience

- **Aequilibrium – Vancouver 2021- 2023**  
XR team leader
- **Mecharithm – Texas 2021 – 2022**  
AR / VR instructor
- **Udemy 2020 - 2022**  
Unity / AR / VR instructor
- **AwventXR – Toronto 2020 - 2021**  
Leader of XR development
- **Chipo & Juan - Paris 2017-2020**  
Leader of XR development
- **GarageAtlas – Istanbul 2019-2020**  
AR / VR developer
- **Hillavas – Tehran 2016-2017**  
AR / Game developer
- **NikModern – Tehran 2014-2015**  
AR / VR developer
- **Freelancer – Tehran 2005-2016**  
AR / VR / Game developer

## Summary

I'm an expert in AR / VR / XR / Game / Simulators. I created various projects for Quest, Android and PC. I worked with new technologies related to XR/AR/VR.

## Experience

- **AgileVR for Quest2 (Aequilibrium, Vancouver) 2021-2023**  
VR Programmer- Level Designer  
A multiplayer meeting platform to have Agile ceremony in VR
- **AR local network for Android (EYEDAK, Spain) 2021**  
AR Programmer- Level Designer  
Sending the real users status with local network (MNF) between 3 users
- **Unity / AR / VR courses for Udemy + Youtube 2020-2022**  
Instructor
  - AR Location based without GPS
  - Online multiplayer AR
  - Video chat/Screen share with Photon
  - Runtime Chromakey in Unity
  - Object\_Text\_Body detection with OpenCV
  - Save/Share Audio file as bytes
  - Hand tracking for mobile AR/VR
  - Physical walk in mobile VR
  - GPS in Augmented Reality
  - Remote rendering in Unity
  - VR hand painting
  - Save/Share photo file as bytes
- **YPO Virtual Party for Oculus Quest/GO and PC (Garage Atlas, Istanbul) 2020**  
PC/VR Programmer  
About 100 users come to a meeting party with PC or Oculus Quest or Go and they can see their animated avatar with voice chat together. Some host characters can welcome and do steps of events like play videos, sit / stand users, fireworks, and group dance
- **Space Defender VR Game for Oculus Quest (YawVR, Budapest) 2020**  
VR Programmer - Level Designer  
Destroy enemy space crafts with 3 models of laser guns in limited time. This game is for YawVR Company and it will install on the VR Motion chair platform
- **Cardio VR Simulator for Oculus Quest (VyvidXR, Boston) 2020**  
VR Programmer-Level Designer (VR Medical simulator with hand tracking in Quest)
- **Serene VR for Sonar Exhibition in Istanbul(Garage Atlas, Istanbul) 2020**  
VR Programmer - Level Designer  
Serene VR with Hand Tracking for Oculus Quest in Sonar Exhibition in Istanbul
- **Basket Ball VR Game for Oculus Quest (Garage Atlas, Istanbul) 2019 - 2020**  
VR Programmer - Level Designer  
VR basketball with 8 levels for shoot ball to the basket with joysticks of Quest
- **AR VanGogh Paints for Android/iOS/Quest (Paris Museum exhibition) 2019-2020**  
AR Programmer - Level Designer  
Show paints in real world with Surface Tracking Technology  
Hand Tracking for touch objects of 3D Van Gogh room (Oculus Quest)
- **VR/360 live video player for Turk Telekome (Garage Atlas, Istanbul) 2019**  
VR Programmer (Live play 360 video from basketball match in VR headsets)
- **Ardian VR Game for Android / IOS in Place Vendôme (Chipo&Juan, Paris) 2019**  
VR Programmer-Level Designer (Escape Game manager and VR spaceship flight)
- **AR Mammoth for Android / IOS (Chipo&Juan, Park Thot France) 2019**  
AR Programmer - Level Designer  
Use GPS Coordinates as Trigger for animal appear and run a specific event  
Show animals on the ground with Surface Tracking Technology  
Feeding and petting animal, Show the animals on 2D markers (Flash Cards)  
2D/3D animal Masks on the face (Like Snap chat)
- **Intercity Electrical System Simulator for French Electricity Grid (Chipo&Juan, France) 2018 – 2019**  
Programmer - Level Designer  
Simulation of flight by EC225 + Exercise bed repairing high strength cables
- **Augmented Reality Journal (Chipo&Juan, France) 2018**  
AR Programmer (Show the 3D Models with VR and show Videos (Air France and Cro-Magnon Journal))

## Experience (Page 2)

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- **Virtual Tour (Chipo&Juan, France & Switzerland) 2017 - 2019**

Level Designer

3D tour at the Museum of Grenoble (France, Grenoble) 2017

3D tour of battle scenes in World War One (Exhibition of Museum Geneva 2018 & Exhibition of IT Paris 2019)

- **Urban AR-GPS Escape Games (Chipo&Juan, Paris & Sarlat) 2018**

AR/Game Programmer - Level Designer

Use GPS Coordinates as Trigger for Game Story and run specific game or event

Sarlat (Sherlock Escape Game) & Paris (Sherlock In Paris Escape Game)

Design AR-VR & 2D Games for them

- **Escape Games Manager System (Chipo&Juan, France) 2017 – 2020**

Game Programmer - Level Designer

APK as client and EXE as Manager and connect together by Local Network or Online Network

Use one or several clients for the game and able to give messages, images or orders to Hardware

Design AR-VR & 2D Games for them

Launched in Escape Game The Room, Turing, Olympic Museum, 1001 Stranger & ...

- **Alephchin Android Game for Learn Persian Alphabet (Hillavas, Tehran) 2017**

Programmer - Level Designer

Sort letters and make words => Download video related to that word from the server

Take a picture of animals painted

- **Augmented Reality 3D Painting (Tehran) 2017**

AR Programmer - Level Designer

Ability to paint 3D animals by touching them + Hear the name of the animal with Persian and English

- **Augmented Reality Map (Tehran) 2016-2017**

AR Programmer - Level Designer

Information, Pictures & Video Links of tourist places in Paris, Batumi, Tbilisi, Tehran & Isfahan

Languages Covered: English, French, Española, Deutsch, Persian, Русский

- **Augmented Reality Gun Game (Mashhad) 2016-2017**

Game Programmer - Level Designer

Fire with Gun's Trigger and Reload with Ammunition cartridge's Button

Ability to install on all every android phones & all types of weaponry

Use the virtual ammunition box in the real environment to get ammo and other Equipment

- **Simulation Flight by Drone (Tehran) 2013 – 2014**

Programmer - Level Designer (Flight simulation with an armed drone)

- **Virtual Reality Flight by Su-22 for Android (Tehran) 2012**

Programmer - Level Designer (Flight simulation with Su-22 for Simulate Formation Flight)

- **Virtual Reality Flight by F-4E / Bell-212 for Android (Tehran) 2011**

Programmer - Level Designer (Flight simulation with F-4E and Bell-212 for VFR Navigation)

- **Modafean Aseman Flight Simulation (Tehran) 2005 - 2010**

Game Programmer - Level Designer

Modafean Aseman is a simulation of Iranian Air Combat in Iran/Iraq War 1980-1988.

Terrain Of this simulator created by Height map of Iran and Iraq And Texturing by Satellite Photos

All Fighters And AA (Iran And Iraq Forces), Graphic, Weapons, Missions & ...