

# Abolfazl Tanha

AR/VR/Game/Simulation developer



## Contact

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## Skill Highlights

- Unity3D (Advanced)
- C# (Advanced)
- Vuforia & AR Foundation (Advanced)
- VR Cardboard & Oculus (Advanced)
- Online multiplayer PUN (Advanced)
- Online Data Base FireBase (Advanced)

## Education

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

## Work Experience

- **Aequilibrium – Vancouver 2021- So far**  
Senior XR developer
- **Mecharithm – Texas 2021 - So far**  
AR / VR instructor
- **Udemy 2020 - So far**  
Unity / AR / VR instructor
- **AwventXR – Toronto 2020 - 2021**  
Leader of XR development
- **Spinnwerk - Vienna 2020-2021**  
AR developer
- **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 2006-2016**  
AR / VR / Game developer

## Summary

I'm an expert in AR / VR / XR / Game / Simulators that over 15 years of experience in games and apps development for PC / Android / iOS / Quest.

I have created several Udemy courses for XR technologies in Unity.

## Experience

- **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 2020-2021**  
Instructor
  - AR Location based without GPS
  - Online multiplayer AR
  - Video chat/Screen share with Photon
  - Runtime Chromakey in Unity
  - Hand tracking for mobile AR/VR
  - Physical walk in mobile VR
  - GPS in Augmented Reality
  - Remote rendering in Unity
- **VR Meditation for Android (VyvidXR, Boston) 2020**  
VR Programmer - Level Designer  
Design the beautiful jungle and capture video 360 and launch on mobile VR
- **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 Oculus Quest
- **Serene VR for Sonar Exhibition in Istanbul(Garage Atlas, Istanbul) 2020**  
VR Programmer - Level Designer  
Serene VR with Hand Tracking and free movement for Oculus Quest in Sonar Exhibition in Istanbul
- **Fruit Picker VR Game for Oculus Quest (Garage Atlas, Istanbul) 2020**  
VR Programmer - Level Designer  
VR fruit picker game use Hand Tracking for pick apple / cherry from trees and get the score
- **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 room (Oculus Quest)  
Simulate the room of Van Gogh
- **VR/360 live video player of Basketball match for Turk Telekom operator for Android (Garage Atlas, Istanbul) 2019**  
VR Programmer  
Capture video 360 degrees from basketball match and show in VR headsets live

## Experience (Page 2)

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- **Ardian VR Game for Android / IOS in Place Vendôme (Chipo&Juan, Paris) 2019**  
VR Programmer - Level Designer  
Escape Game manager and VR flight with the spaceship
- **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 Euro copter EC225 Super Puma (Helicopter used in electrical operations)  
Exercise bed repairing high strength cables
- **Augmented Reality Journal (Chipo&Juan, France) 2018**  
AR Programmer  
Show the 3D Models with VR and show Videos (For Air France and Cro-Magnon Journal)
- **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

## Experience (Page 3)

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- **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 & ...