

# 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
- Foundation of project management
- WebAR
- Source control platforms (Git-Plastic)
- 3DMax – Blender (Beginner)
- Photoshop (Beginner)

## Education

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

## Summary

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

## Work experience

- **XR Team Leader at Aequilibrium (Vancouver, Canada) 2021-2023**  
The experience of leading the XR team to develop the Agile VR virtual reality application from the pre-production stage to the preparation for release.
- **AR/VR Instructor at Mecharithm (Texas, USA) 2021-2022**  
Production of specialized training courses for making robotic simulators with Unity for robotics students
- **Unity/AR/VR Instructor Udemy + YouTube 2020-Present**  
Production of more than 17 specialized training courses and more than 500 educational videos on making games and simulators with Unity for beginner to advanced levels.
- **XR Team Leader at AwventXR (Toronto, Canada) 2020-2021**  
Leading the programming team to develop an augmented reality application for presenting furniture products.
- **AR/VR Developer at Chipo & Juan (Paris, France) 2017-2020**  
Develop AR/VR games and Apps and Escape Game Manager systems for several escape games and publishers. AR/VR Tours and Apps for parks, exhibitions, and museums.
- **AR/VR Developer at GarageAtlas (Istanbul, Turkey) 2019-2020**  
Develop the AR and VR products for Mobile, PC, and Oculus Quest/Go headsets.
- **AR/Game Developer at Hillavas (Tehran, Iran) 2016-2017**  
Developing AR Apps and games for MTN Irancell and publishing with VAS
- **AR/VR Developer at NikModern (Tehran, Iran) 2014-2015**  
Develop AR games and apps for Android
- **Freelancer AR/VR/Game Developer (Tehran, Iran) 2005-2016**  
Develop Modafean Aseman Flight Simulator

## Projects (Page 1)

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- **VRSKY\_FighterJets for Quest2 (AloneTeam, Vancouver) 2023 [Demo](#)**  
VR Programmer- Level Designer  
VR fly with 60 fighter jets from 3rd, 4th, 4++, and 5th generations over 7 different terrains in Quest 2.
- **AgileVR for Quest2 (Aequilibrium, Vancouver) 2021-2023 [Demo](#)**  
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
- **AtlasSpace for Oculus Quest/GO and PC (Garage Atlas, Istanbul) 2020 [Demo](#)**  
PC/VR Programmer  
A multiplayer meeting platform to have seminars, events or classrooms in VR
- **YPO Virtual Party for Oculus Quest/GO and PC (Garage Atlas, Istanbul) 2020 [Demo](#)**  
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 [Demo](#)**  
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 [Demo](#)**  
VR Programmer-Level Designer (VR Medical simulator with hand tracking in Quest)
- **Serene VR for Sonar Exhibition in Istanbul(Garage Atlas, Istanbul) 2020 [Demo](#)**  
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 [Demo](#)**  
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 [Demo](#)**  
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 [Demo](#)**  
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 [Demo](#)**  
VR Programmer-Level Designer (Escape Game manager and VR spaceship flight)
- **AR Mammoth for Android / IOS (Chipo&Juan, Park Thot France) 2019 [Demo](#)**  
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 [Demo](#)**  
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))

## Projects (Page 2)

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- **Virtual Tour (Chipo&Juan, France & Switzerland) 2017 – 2019** [Demo](#)
  - 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** [Demo](#)
  - 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** [Demo](#)
  - 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 & ...
- **Alphchin Android Game for Learn Persian Alphabet (Hillavas, Tehran) 2017** [Demo](#)
  - 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** [Demo](#)
  - 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** [Demo](#)
  - 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** [Demo](#)
  - 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** [Demo](#)
  - Programmer - Level Designer (Flight simulation with an armed drone)
- **Virtual Reality Flight by Su-22 for Android (Tehran) 2012** [Demo](#)
  - 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** [Demo](#)
  - 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 & ...