



## Alexander T. Architect/Team-lead Unity 3D Engineer

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Unity
<b>Programming Languages</b>	Assembler, C, C#, C++, Delphi, JavaScript, Pascal, QBasic
<b>Android Libraries and Tools</b>	ARCore
<b>AI &amp; Machine Learning</b>	OpenCV
<b>JavaScript Libraries and Tools</b>	WebGL
<b>UI Frameworks, Libraries, and Browsers</b>	HTML, HTML5, XML
<b>UI/UX/Wireframing</b>	Adobe Photoshop, AR, Corel Draw, VR, XR
<b>Platforms</b>	Android, Unity
<b>iOS Libraries and Tools</b>	ARKit
<b>Third Party Tools / IDEs / SDK / Services</b>	AutoCAD, Autodesk 3DS Max, Visual Studio, XCode
<b>Operating Systems</b>	BeOS, iOS, Linux, macOS, MS-DOS, Windows
<b>SDK / API and Integrations</b>	Windows API
<b>Other Technical Skills</b>	GearVR, Hololens, HTC Vive, IBM PC compatible, Kinect, Manova VR, MidiSoft Studio, Monodevelop, MR, Oculus, Phaser.IO, PSVita, ShaderLab, SoundForge, Valve Hummer

### EXPERIENCE

2022

**PATRIOT Power Generator:** MixedReality application for Hololens [Unity3D C# developer, 2D|3D Artist] <https://www.youtube.com/watch?v=qtjLSrU34kk>

**[NDA]:** Cross-platform inspection tool for airfield (web, mobile, hololens) [Unity3D C# developer, 2D|3D Artist]

[NDA]: Cross-platform 2.5D platformer game with on-chain business logic (web, mobile, standalone) [Unity3D C# developer, 2D|3D Artist]

## 2021

**Zibra.Ai** (<https://zibra.ai/>) [Interactive demo for promotion]  
<https://business.diia.gov.ua/cases/tehnologii/ukrainskij-ai-startap-zibraai-vipustiv-persij-plagin-na-bazi-masinnogo-navcanna-dla-simulacii-ridini>

## 2020

**Rapid Medical Parts** (<http://rapidmedicalparts.com/>) [3D visualisation]

## 2019

**3D Catalog | CARDO Software** (<https://play.google.com/store/apps/details?id=com.cardosoftware.catalog3d>) [Art Director, Lead Unity3D C# developer, 2D|3D artist]  
**VR games prototypes** ([https://youtu.be/tYf0ac2n\\_SY](https://youtu.be/tYf0ac2n_SY) , <https://youtu.be/5gTJ4Lt0ORI>) [Unity3D C# developer]

## 2018

**AR TREK** (<https://itunes.apple.com/us/app/ar-trek/id1437096399>): Open dev. platform for Indoor Navigation in augmented reality (<https://youtu.be/v-34aAVSi04>)

**Cosmos Invictus** ([https://store.steampowered.com/app/682620/Cosmos\\_Invictus/](https://store.steampowered.com/app/682620/Cosmos_Invictus/)): UI/VFX art and programming

## 2017

**ARMix** (<http://nullreal.com/armix/>): AR/VR app with 6DOF, instant loading your own models via direct URL and walk around in AR or VR for free (<https://youtu.be/YCni4rfBuSA>)  
<https://itunes.apple.com/us/app/armix/id1291721288> [Unity3D generalist]

**dcConstructions | dcTOUCH**: Smart-City - augmented reality software with position tracking (<http://dctouch.ru/smart-city> , <https://youtu.be/L-GE6TTCKn8> )

**W[F]R** : VR-Cinema promo app for simultaneously video playback on 10 GearVR [Unity3D C# developer, 2D|3D Artist]

**Football / Soccer promo app**: interactive fun app for RosSeti (<http://www.rosseti.ru/>)  
<https://youtu.be/M64JLxLQX3s> for SPIEF'17 (St.Petersburg International Economic Forum) June 1,2,3 2017 (<http://www.forumspb.com/en/2017>) [Unity3D C# developer, 2D|3D Artist]

**NCAR.com**: multimedia car catalogue [Unity3D C# developer, 2D|3D Artist]

<https://play.google.com/store/apps/details?id=com.ncar.news3dguide>

<https://itunes.apple.com/ru/app/ncar-com/id1274597161>

<https://apps.apple.com/de/app/ncar-com/id1274597161>

**Sidereum LTD**: AR game (no more info because NDA) [Art Director, Lead Unity3D C# developer , Lead 2D|3D artist]

**Tango Matrix Scanner**: augmented reality software combines a cutting edge technology by Google and real image through the camera of your smartphone to get a Matrix-style view of your room <https://play.google.com/store/apps/details?id=com.nullreal.tangomatrixscanner> [Art Director, Unity3D C# developer, 2D artist]

<https://uploadvr.com/google-tango-app-turns-real-world-into-the-matrix/>

**Life Hutch VR** ([https://store.steampowered.com/app/1089330/Life\\_Hutch\\_VR/](https://store.steampowered.com/app/1089330/Life_Hutch_VR/)) for Patrick Donoghue : <https://www.youtube.com/watch?v=15lzlcFQ0Y0> (2003), [https://www.youtube.com/watch?v=Uts\\_2yhFx3Q](https://www.youtube.com/watch?v=Uts_2yhFx3Q) (2005) [Unity3D C# developer, 2D|3D Artist]



## 2016

**3DLook, LLC** (<http://3dlook.me>): A cutting edge technology that estimates your body measurements through the camera of your smartphone and lets you try on costumes <https://itunes.apple.com/app/3dlook-3d-model-your-body/id1157531374>

<https://itunes.apple.com/us/app/3dlook-personal-outfit-guide/id1224533573> [Unity3D C# developer , 3D artist]

**ILLUSIO, Inc.** (<http://www.illusoimaging.com>): augmented reality software combines a fluid and lifelike 3D virtual image and our surgeon's actual patient to transform an iPad into a virtual mirror.

<https://itunes.apple.com/us/app/illusio/id1068593819> [Unity3D C# developer]

## 2015

**Sidereum LTD:** project Null Real [Art Director, Lead Unity3D C# developer , Lead 2D|3D artist] ( Port to OculusGo : <https://youtu.be/qwuQ9y7ia2M> )

**stfalcon.com:** project "City-Runner" [Unity3D C# developer]

**Ciklum:** project "Contiki VR demo" [Lead Unity3D C# developer , Lead 2D artist]

**RiverSoft:** project "Money-Pursuit" [Unity3D JavaScript | C# developer , Lead 2D|3D artist] ( <https://youtu.be/Jn5cziUL2eE> )

## 2014

**Ukrainian chamber of Commerce and Industry:** project "Industrial Park "Centralny" [Lead Unity3D JavaScript | C# developer , Lead 2D|3D artist] ( <https://youtu.be/-srejiNJho> )

**Underscor<sup>3</sup>e:** project "Santa's Salvation [Senior Unity3D JavaScript , Lead 2D|3D artist]

**RiverSoft:** project "Fireball" [Unity3D JavaScript | C# developer , 3D artist] ( <https://youtu.be/X6uisgTAHoQ> )

**ALternative.MS:** project "Aspheron" [Lead Unity3D JavaScript , Lead 2D|3D artist]

## 2013

**Delrizia Investments LTD:** project "NCAR.com & GT1.com" [Art Director, Lead Unity3D C# developer, 2D|3D artist]

**ALternative.MS:** project "aRace" [Lead Unity3D JavaScript | C# developer , Lead 2|3D artist] ( <https://youtu.be/viB6RTUw-XI> )

## 2012

**Delrizia Investments LTD:** project "JapCarFest" [Art Director, Lead Unity3D C# developer, 2D|3D artist]

**Alesko:** project "CustomGirl" [Lead Unity3D JavaScript | C# developer , Lead 2D|3D artist] ([https://youtu.be/1FB-8fT5\\_KI](https://youtu.be/1FB-8fT5_KI) | <https://youtu.be/GWC04FcXG1M>)

**Alesko:** project "Hangar constructor" [Lead Unity3D JavaScript , Lead 2D|3D artist] (<https://youtu.be/ANRHjG1L6kw>)

**Alesko:** project "Besin 3D Constructor" [Lead Unity3D JavaScript]

**Mirage LTD:** project "Mirage 5D attraction" [Lead 2D|3D artist]

**OGDS S.A.:** project "Chick Fighter" [Junior Unity3D JavaScript developer]

## 2011

**UkrComCentr:** software engineer consultant , lead 3D CAD modeler

**DNS Company:** Counter-Strike game level creator for championship

## 2008

**MegaDesign:** Lead 2D|3D artist , Lead ObjectPascal developer



**2007**

**Abris:** Lead 2D|3D artist

**2006**

**KGPU:** project "Lab 3D constructor" [Lead ObjectPascal developer , Lead 2D|3D artist]

**2004**

architectural and construction activity

## LINKS

<https://youtu.be/zeM1FEUsMow> | <https://youtu.be/M64JLxLQX3s> - Football / Soccer Kinect app

<https://play.google.com/store/apps/details?id=com.nullreal.tangomatrixscanner> - Matrix Scanner (AR)

<https://itunes.apple.com/app/3dlook-3d-model-your-body/id1157531374?mt=8> - 3DLook (AR for iOS)

<https://itunes.apple.com/us/app/illusio/id1068593819?ls=1&mt=8> - ILLUSIO (plastic surgeons AR for iOS)

<https://www.youtube.com/channel/UCqYE9HTJqUtl1F4F8rCKThw> - NullReal (Virtual Reality project)

<http://alternative.ms/> - ALternative Mighty Solutions ( <https://youtu.be/5UppCqIlgA4o> | <https://youtu.be/K-3-UGsBAok> )

<https://www.fl.ru/users/a-l-t/> - 2D|3D art portfolio (till 2010)

<http://208294.ua.all.biz> - Abris LTD

<http://megadesign.com.ua> - MegaDesign LTD

<http://www.dns-shop.ru/> - DNS Company ( <https://youtu.be/WtxHc3thR9Y> | <http://ngs24.ru/news/131845/view/> )

<http://ukrcomcentr.com/> - UkrComCentr

<http://underscor3e.com> - Underscor<sup>3</sup>e ( <https://youtu.be/u-zDuFsWwsl> | <https://youtu.be/0XnylMLLF1A> )

<http://5d-mirage.ru> - Mirage LTD ( <https://youtu.be/S69r0uzYGg4> | [https://youtu.be/u7qmx\\_CpeTY](https://youtu.be/u7qmx_CpeTY) )

<https://ncar.com/ru/news/> - NCar.com ( [https://youtu.be/XS\\_HDdpgrX4](https://youtu.be/XS_HDdpgrX4) | <https://youtu.be/AcQM-2ySEts> )

<http://alesko.eu> - ALESKO ( [https://youtu.be/1FB-8fT5\\_KI](https://youtu.be/1FB-8fT5_KI) | <https://youtu.be/GWC04FcXG1M> )

<https://river-soft.net/> - RiverSoft ( [https://youtu.be/\\_uEttT5sqF8](https://youtu.be/_uEttT5sqF8) | <https://youtu.be/X6uisgTAHoQ> | <https://youtu.be/Jn5czuL2eE> )

<https://play.google.com/store/apps/details?id=com.underscor3e.santa>

<https://play.google.com/store/apps/details?id=ms.ALternative.Aspheron>



<https://play.google.com/store/apps/details?id=ms.Alternative.Snake84>

<https://www.facebook.com/events/896122420408602/>

<https://www.facebook.com/events/854854111265247/>

[http://kmcnc.stfalcon.com/event/code\\_n\\_coffee\\_14](http://kmcnc.stfalcon.com/event/code_n_coffee_14)

<http://technocongress.ru/galereya/idy-moscow-2015/>

<https://www.facebook.com/events/438843279631159/>

<http://itweekend.events/speaker/alexander-tkachenko/>

a small test how to recognize buildings in AR : <https://youtu.be/DxHmEJlmt6Y>

AR car demo : [https://youtu.be/YI85WN\\_AQUM](https://youtu.be/YI85WN_AQUM)

a small test of hand recognition in AR : <https://youtu.be/H5OzjYWhENI>

AR Interior test : <https://youtu.be/c-8eD0IHpkU>

Testing geo-placing 3d model : [https://youtu.be/n-OdSpVB\\_5M](https://youtu.be/n-OdSpVB_5M)

<http://avrahackathon.ru/> - [https://youtu.be/XBs2zJ\\_-cQY](https://youtu.be/XBs2zJ_-cQY)

Simple industrial robot - <https://youtu.be/SOfwjRRS7yM>

ARMix Indoor navigation created on <http://hackathon.mvideo.ru/> : <https://youtu.be/IJpDx4Um8S8>

ARMix on M.Video <https://habr.com/company/mvideo/blog/414643/>

Cosmos Invictus (<https://store.steampowered.com/app/682620/>) : <https://www.youtube.com/watch?v=3IIBuFWUSX4>

Wordspace hints : <https://youtu.be/gb1-sIVek04>

Legacy AirCraft turbine test on Unity 3.5.7 : <https://youtu.be/-7GHkoPL00U>

Null Real Generation 3 - Port for Oculus Go - Screenshot : <https://youtu.be/snu2Y0silvk>

Floating Boat Test (Unity 5) : <https://youtu.be/WNxJmPI1TCg>

Floating Boat Test (Unity 2018) : <https://youtu.be/zH6WlRtAghg>

MGame - InGame UI concept : <https://youtu.be/aHBM8XsP-RU>

MGame - MainMenu UI concept : <https://youtu.be/CR6rzd5l05l>

UI Test 2 for Brave Branding UA : <https://youtu.be/TKTuDc8ezJY>

Sci-Fi location test : <https://youtu.be/FCemIP3AQKA>

SIGGRAPH Asia 2020 – VR Theater Trailer : <https://www.youtube.com/watch?v=Ap008tp8NYQ>



Art in the Void - Short promo video : <https://www.youtube.com/watch?v=hE43gVW5X8U>  
[https://sa2020.siggraph.org/en/attend/vr-theater/session\\_slot/294/14](https://sa2020.siggraph.org/en/attend/vr-theater/session_slot/294/14)

