

Alexander T.

Architect/Team-lead Unity 3D Engineer

TECHNICAL SKILLS

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| Main Technical Skills | Unity |
| Programming Languages | Assembler, C, C#, C++, Delphi, JavaScript, Pascal, QBasic |
| Android Libraries and Tools | ARCore |
| AI & Machine Learning | OpenCV |
| JavaScript Libraries and Tools | WebGL |
| UI Frameworks, Libraries, and Browsers | HTML, HTML5 |
| UI/UX/Wireframing | Adobe Photoshop, AR, Corel Draw, VR, XR |
| Platforms | Android, Unity |
| iOS Libraries and Tools | ARKit |
| Third Party Tools / IDEs / SDK / Services | AutoCAD, Autodesk 3DS Max, Visual Studio, XCode |
| Operating Systems | BeOS, iOS, Linux, macOS, MS-DOS, Windows |
| SDK / API and Integrations | Windows API |
| File Systems, Storage | XML |
| Other Technical Skills | 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=qtlSrU34kk>

[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.dii.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/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/): 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/) for Patrick Donoghue : <https://www.youtube.com/watch?v=15IzlcFQ0Y0> (2003), 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.illusioimaging.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/Jn5czuL2eE>)

2014

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

Underscor³e: 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/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/5UppCqlgA4o> | <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^{3e} (<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://ncar.com/ru/news/> - NCar.com (https://youtu.be/XS_HDdpgrX4 | <https://youtu.be/AcQM-2ySEts>)

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

<https://river-soft.net/> - RiverSoft (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://technocongress.ru/galereya/idyoun-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

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

<http://avrahackathon.ru/> - https://youtu.be/XBs2zJ_-cQY

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

ARMix Indoor navigation created on <http://hackathon.mvideo.ru/> : <https://youtu.be/IjDx4Um8S8>

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-slVek04>

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



