AR APP UNITY

Tech Talk by Siebe and Marnik







VUFORIA





DEMO





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Anything that was not clear?





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ALTS







BACKGROUND

Digitizing the exhibition with AR, gamification, and more for an engaging experience.



















LIVE DEMO



01 TIMI

AR development with Unity







ALTS







OVERVIEW

Widely-used game development engine

Founded in 2005

CORE-FEATURES

Cross-platform compatibility

Robust graphics engine

User-friendly interface

ECOSYSTEM

Asset Store

Unity Collaborate

Unity Cloud



UNITY'S AR FEATURES



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DEMO





PROJECT TEMPLATE

AR project templates, streamlining the setup process.

PLATFORM SELECTION

AR platforms, including iOS ARKit and Android ARCore.

BUILT-IN PACKAGES

Rich ecosystem of AR-related packages

BUILD OPTIONS

Builds for smartphones, tablets, and AR glasses, other hardware



UNITY'S AR FEATURES



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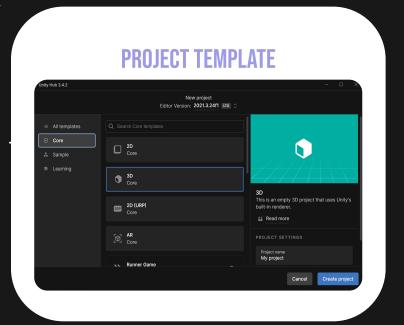
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LIVE DEMO









UNITY'S AR FEATURES



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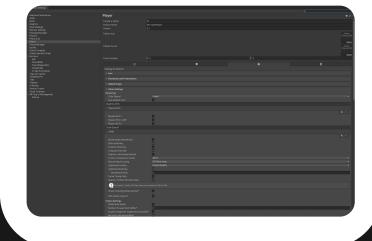
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LIVE DEMO





BUILD OPTIONS











DEMO



02.

VUFORIA

AR magic with Vuforia











LIVE DEMO



VUFORIA

AR SDK

Enhance AR capabilities

Interactive and engaging AR experiences

UNITY AND VUFORIA SYNERGY

Unity's graphics and cross platform strength with Vuforia's robust tracking and recognition features

HOW IT WORKS - SIMPLIFIED

Unity's AR Foundation simplifies Vuforia integration within Unity projects.

Vuforia's SDK seamlessly interfaces with Unity, enhancing the AR development workflow.











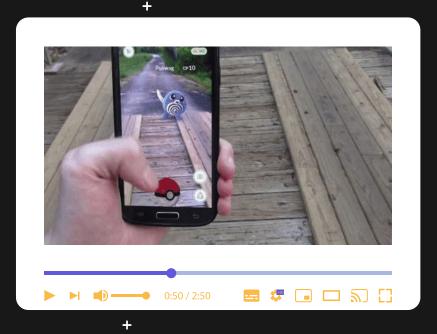






VUFORIA - WHAT IS AR?

"AR is a digital medium that allows you to overlay virtual content into the physical world in a way that makes it seem like the content is physically there."
- Ryan Kopinsky





VUFORIA - HOW DOES AR WORK?



VUFORIA

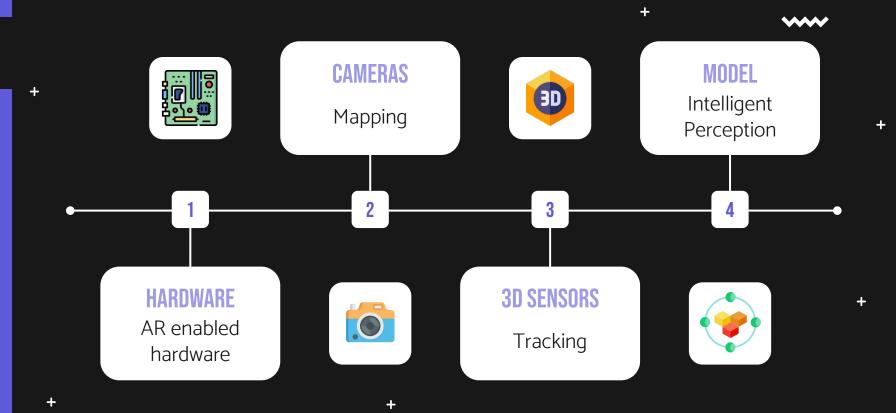




DEMO



















LIVE DEMO



VUFORIA - HOW DOES AR WORK?









AR enabled hardware maps the environment and keeps track of where you are in relation to it. Once this localization and mapping are working well for a new environment, an AR experience can take place there.



VUFORIA - HOW DOES AR WORK - SUMMARY













SEEING THE WORLD

Mapping the environment



UNDERSTANDING

Tracking your and the object's location



VISUALIZE

Placing digital content into the physical world

















LIVE DEMO



03.

ALTERNATIVES

What are the other possibilities?







ALT



JEMO





ALTERNATIVES



ZAPWORKS

user-friendly platform for creating interactive augmented reality experiences.



8TH WALL

Simplifying augmented reality development for immersive experiences across devices.





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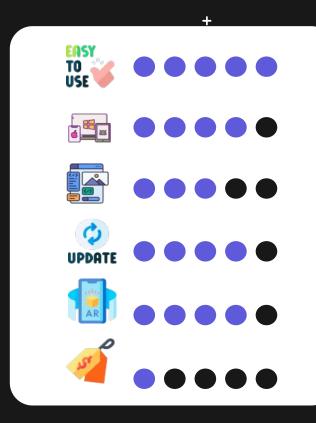
LIVE DEMO



ALTERNATIVES

ZAPWORKS

Excels with a user-friendly interface, cross-platform versatility, and strong interactive features, making it a cost-effective choice for dynamic AR development.







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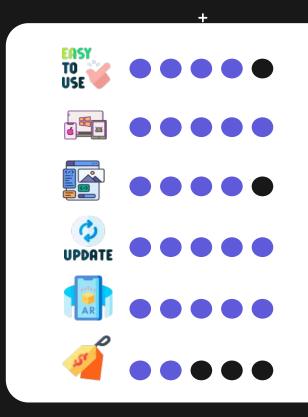


LIVE DEMO



ALTERNATIVES

Impresses with a user-friendly interface, strong cross-platform compatibility, and rich interactive features, making it an excellent choice for dynamic AR development.







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ALTS



DEMO



LIVE DEMO



ALTERNATIVES

UNITY AND VUFORIA

Unity's versatility and broad capabilities complement Vuforia's strengths in tracking and real-world applications, creating a robust and effective toolkit for diverse AR projects.







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LIVE DEMO



O4. PROS AND CONS

Analysis of what Unity and Vuforia can/can't do.















PROS AND CONS











PROS AND CONS



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Unity and Vuforia together create a robust AR toolkit, combining versatility, community support, and robust tracking, despite some learning curve and resource challenges.





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DEMO

LIVE DEMO



O5. LIVE DEMO

Real AR Showcase





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DEMO



LIVE DEMO



06.

QUESTIONS?

Anything that was not clear?