



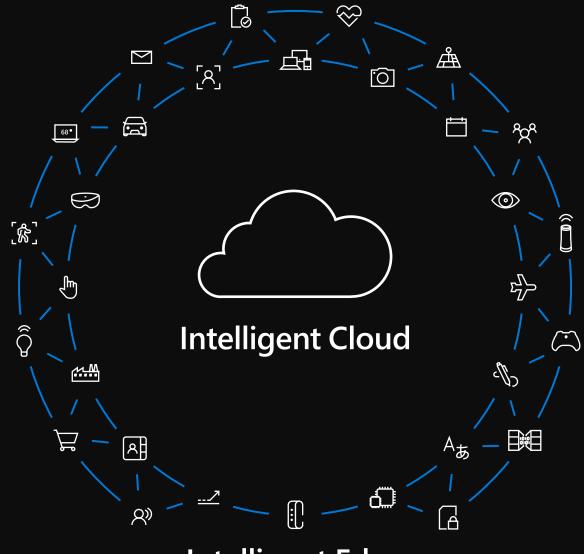
Ubiquitous computing



Artificial Intelligence



Multi-sense, multi-device experiences



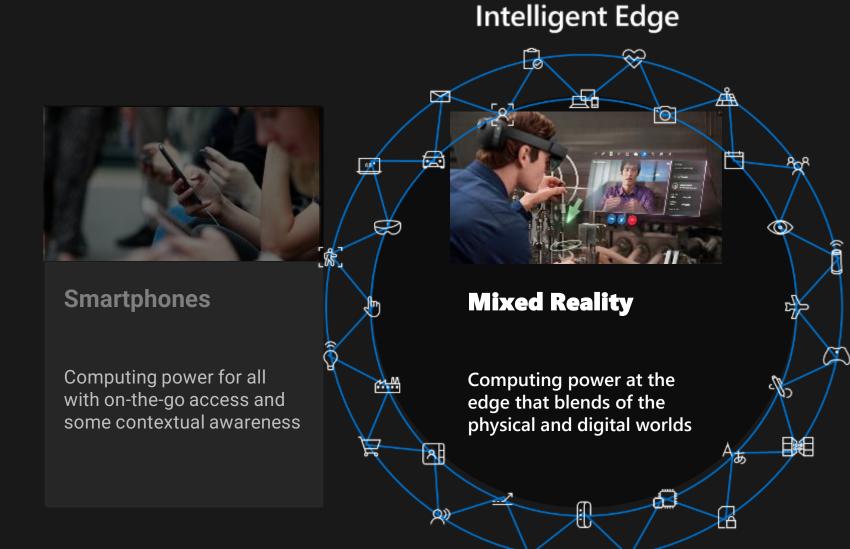
Intelligent Edge

₱ THIRD WAVE OF COMPUTING



Personal Computers

Computing power for many but immobile and no contextual awareness



"If you change the way you see the world, you can change the world you see"

Satya Nadella



MIXED REALITY HELPS SOLVE FOUNDATIONAL BUSINESS PROBLEMS



Remote assistance

Empower employees to work together, even when they're worlds apart.



Training & task guidance

Enhance learning with step-by-step instructions that help employees learn new skills faster.



Collaborative visualization

Visualize room layouts and product designs before building out physical models.



Contextual data access

Gain real-time insight from the working environment to improve operational efficiency.



Improved skilling

4x improvement to service time among employees receiving who receive mixed reality training. 80% of companies improve collaboration across cross-functional teams using mixed reality.

Efficiency and quality gains

25% boost in productivity, plus errors reduced to effectively zero, with directions and data given in mixed reality.

Empower First-line Workers

Bring innovative technology and drive digital transformation across your first-line workers, an audience traditionally underserved by tech.

THE MIXED REALITY JOURNEY

2010 2016 2017 2018 2019

Kinect for Xbox

HoloLens
Development Edition

Development Edition

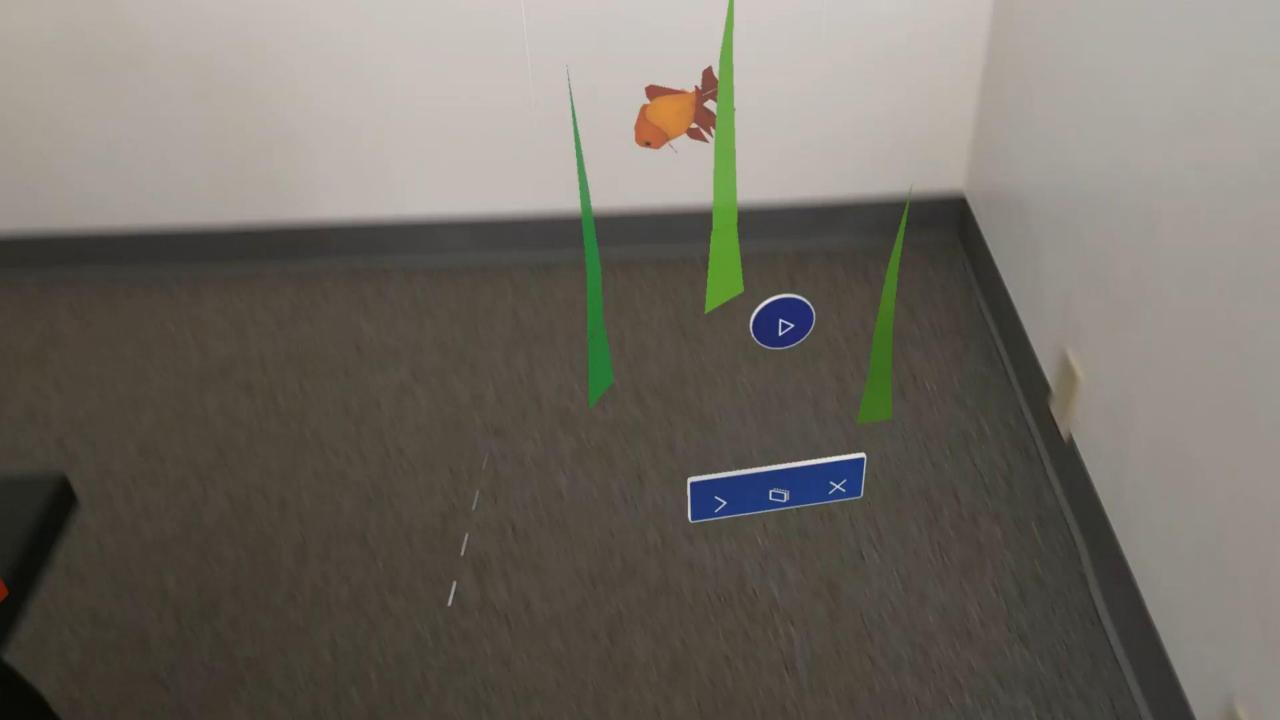
2017

Development Edition

Development Ed

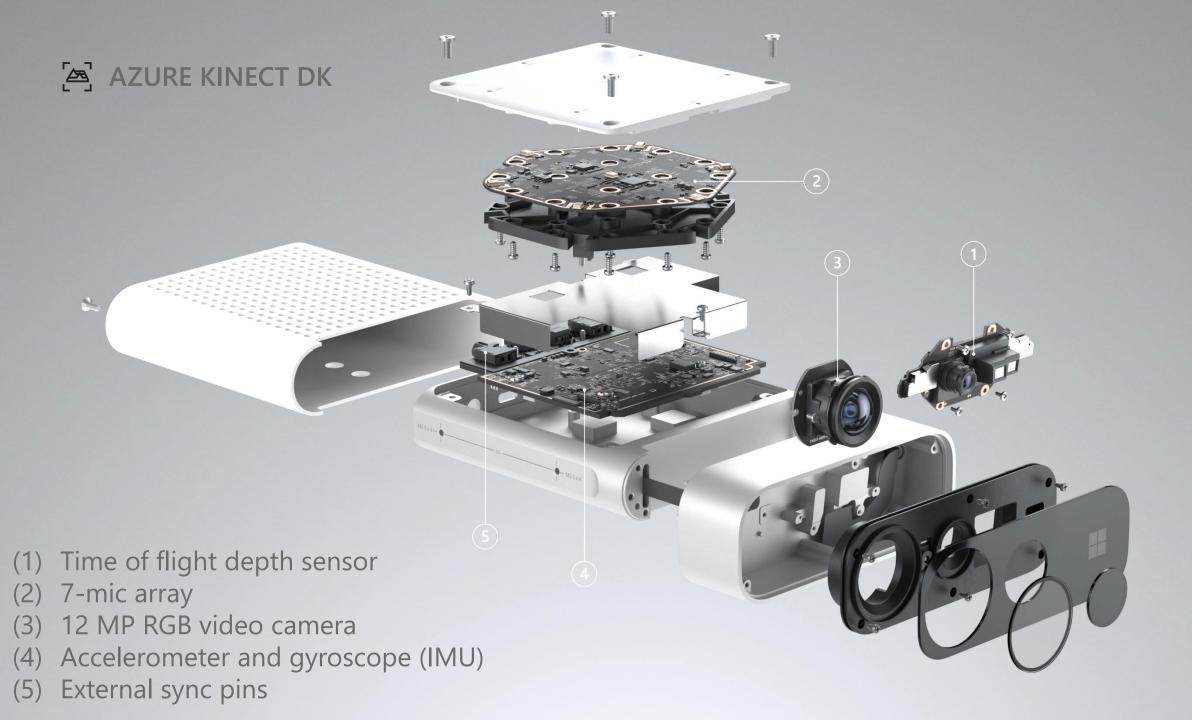
HoloLens 2





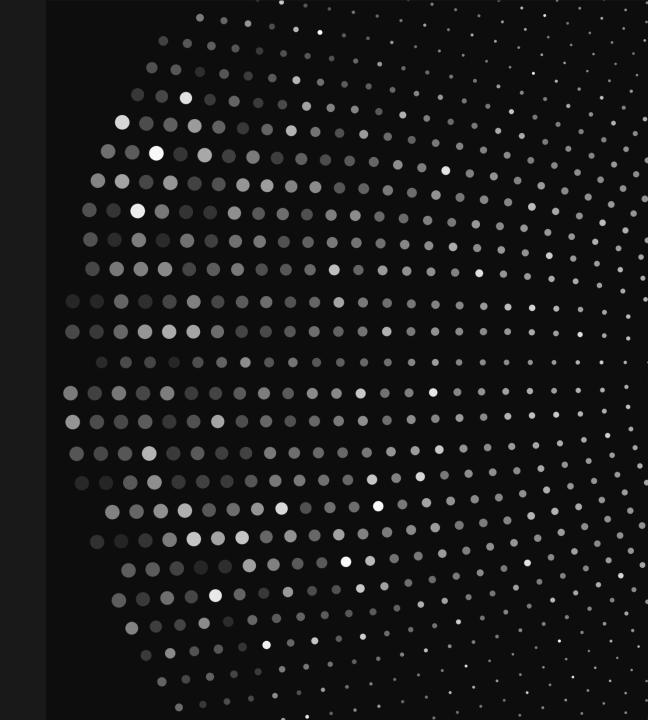






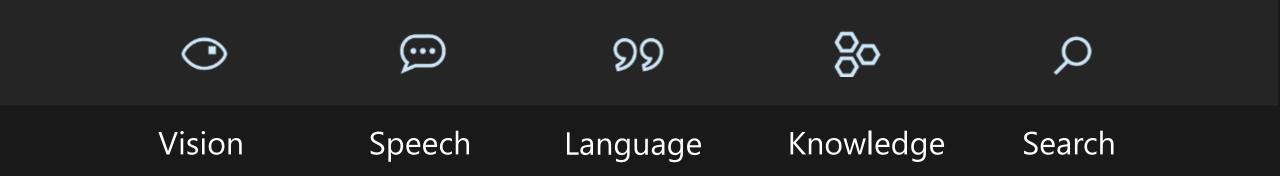


Mixed Reality Services



MICROSOFT COGNITIVE SERVICES

Infuse your mixed reality apps with human-like intelligence



■ MICROSOFT AZURE MIXED REALITY SERVICES

Enabling every business and every developer to build solutions that are...



Contextual

The world is your app canvas



Collaborative

Multi-user and cross-platform



Enterprise ready

Intelligent and secure



Share and collaborate with cross-platform mixed reality



M AZURE REMOTE RENDERING

Experience 3D without compromise

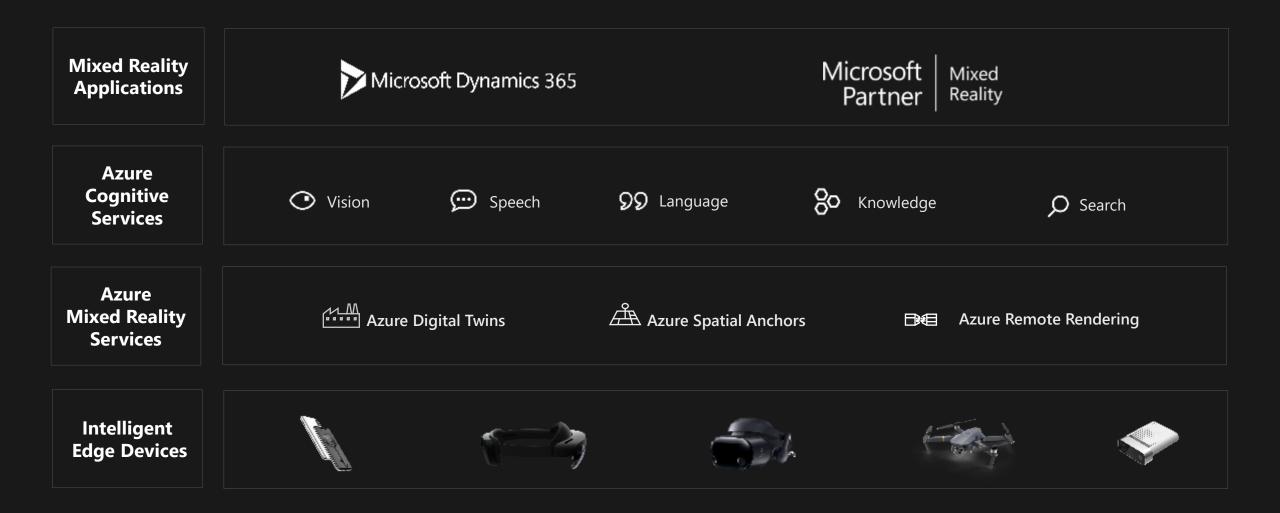




Model the physical world and relationship between people, places and devices



THE MICROSOFT MIXED REALITY STACK



TOGETHER WE CAN BUILD THE 3RD WAVE OF COMPUTING



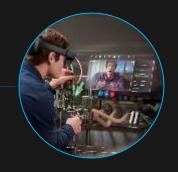


Sales Assistance

Training & Development



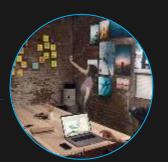
MIXED REALITY



Field Service







Productivity & Collaboration

Mixed Reality

Enabling new Reality for Education



Learning through experience makes a difference

75%

Information retention rates when using enhanced reality experiences for learning

Digital reality headsets in enterprise and education 2020

275%

Higher confidence levels in students to act upon enhanced learning experiences

The Effectiveness of Virtual Reality Soft Skills Training in the Enterprise 2020

3.75x

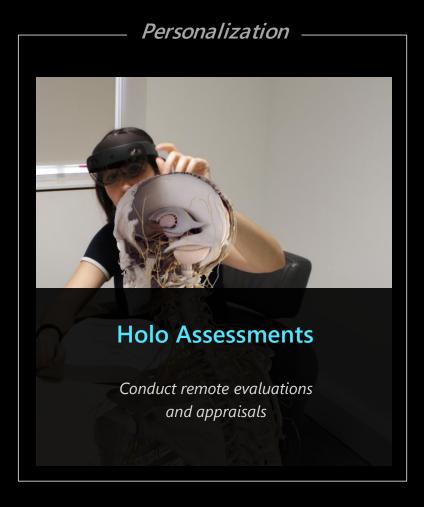
Greater emotional connections to information being presented through experiences

The Effectiveness of Virtual Reality Soft Skills Training in the Enterprise 2020

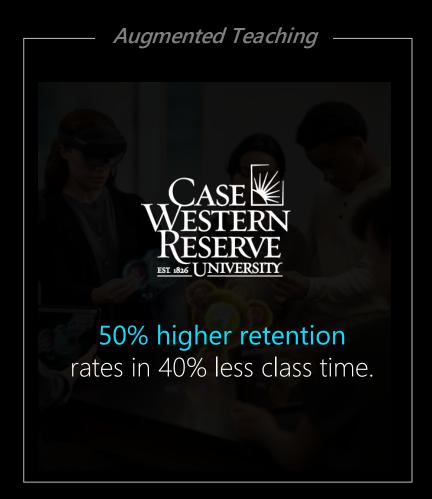
Mixed reality for teaching & learning means







Use cases for higher education







Market adoption of mixed reality is surging















































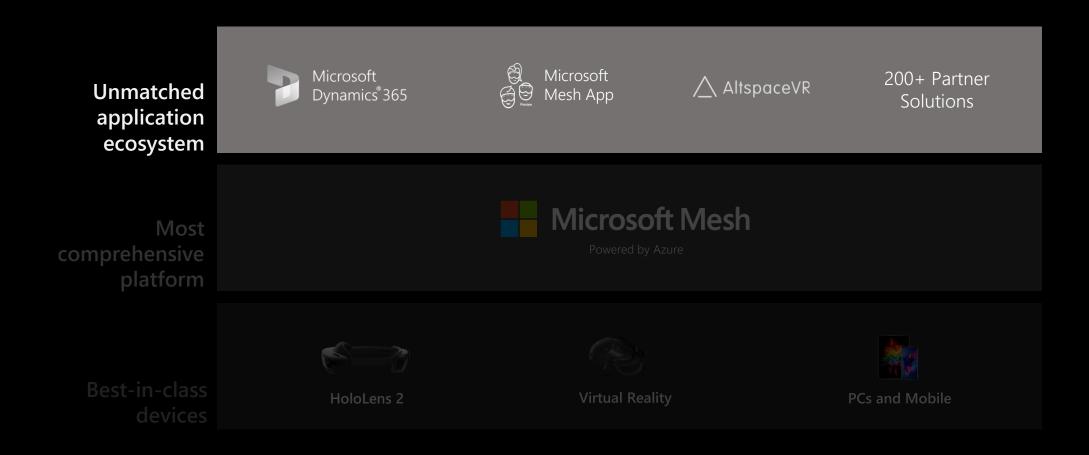




Most mature MR portfolio in the industry



Most mature MR portfolio in the industry









Mesh App for HoloLens 2

Connect with colleagues and co-create in real time as you share and annotate content that persists between sessions

 $\label{eq:AltspaceVR} AltspaceVR \\$ Host meetings, town-halls, and work gatherings using AltspaceVR, the premier place for virtual meetups



Solutions for educational institutions

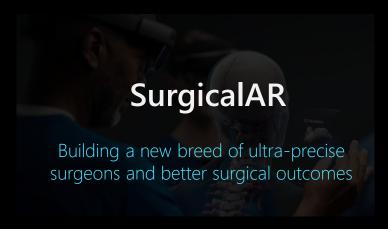




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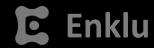


















Most mature MR portfolio in the industry

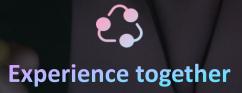


Microsoft Mesh

Enable presence and shared experiences from anywhere – on any device – through mixed reality apps





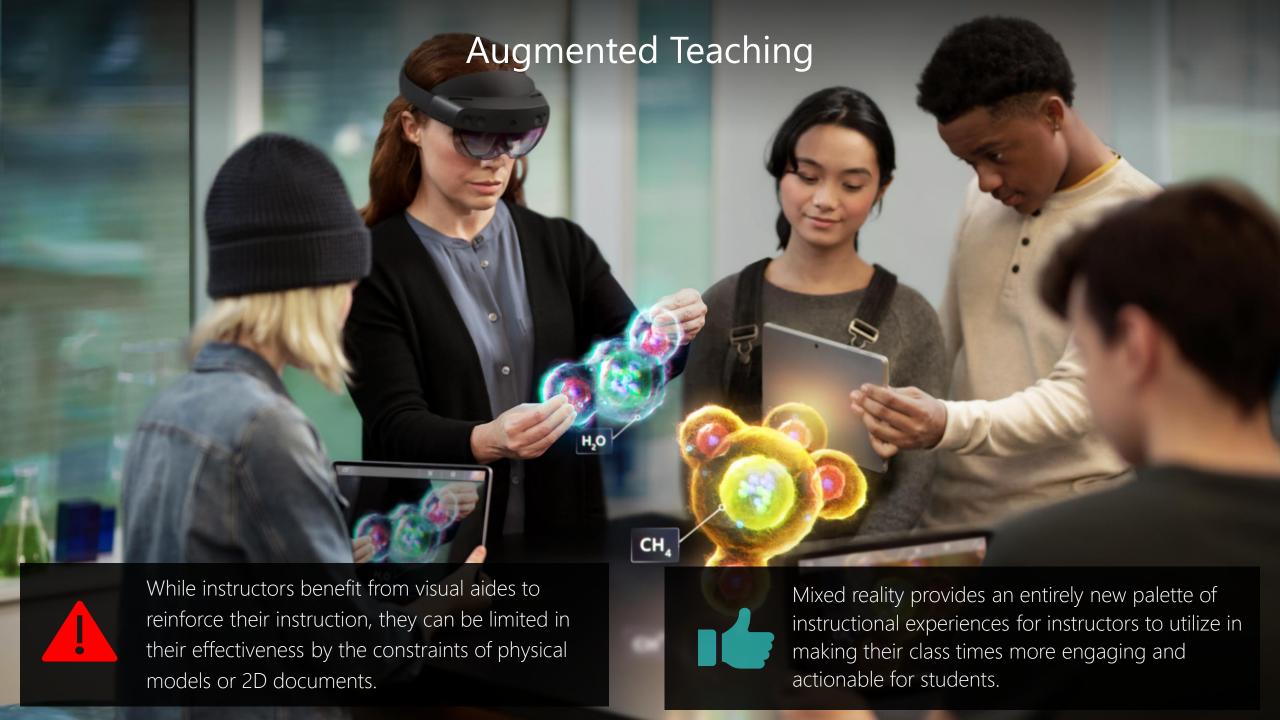




Mixed Reality

Higher Education Use Cases





Augmented Teaching

A virtual collaboration and instructional experience using HoloAnotomy

for HoloLens 2 empowers teachers with impressionable, high-impact 3D visualization models to captivate students and bring education to life.



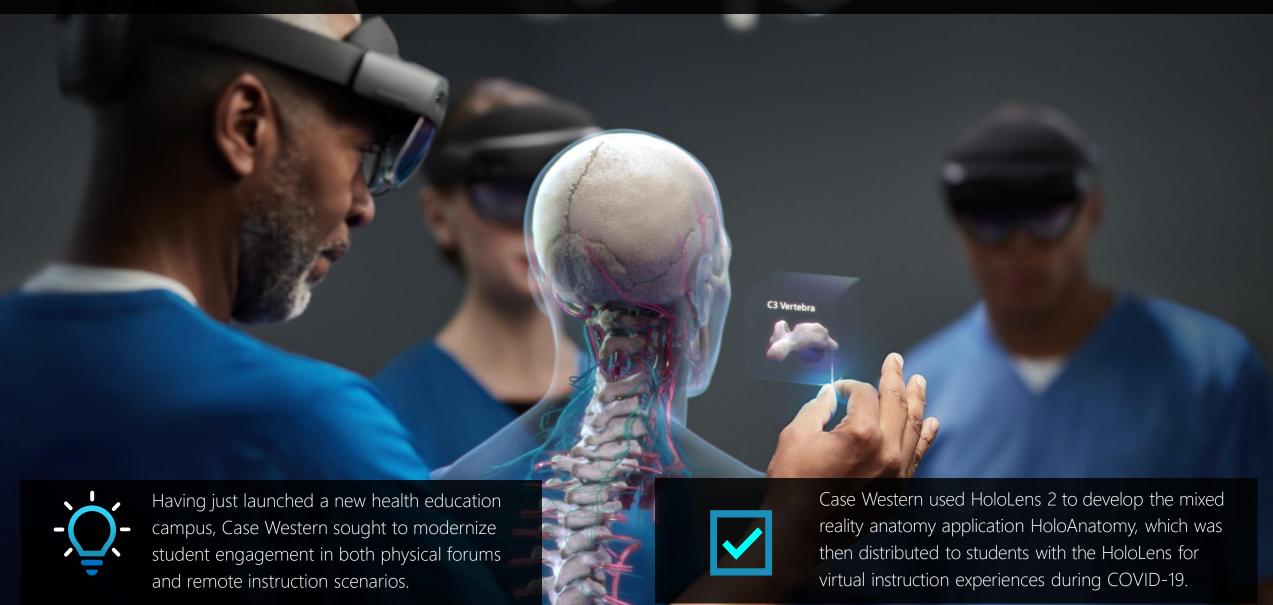








Students using the HoloAnatomy solution with HoloLens 2 demonstrated 50% higher retention rates with 40% less class time.





Experiential Learning

An experience-based lesson plan using

Dynamics 365 Guides for HoloLens 2, allows for students to integrate textbook concepts into their physical environment and take a learn by doing approach allowing for a hands-on, unmediated learning experience.





Microsoft Dynamics 365

Guides





Northeastern decreased upskilling time by 83%, reducing a 3-hour lesson plan into less than 30-minutes



Holo Assessments



practical situations when compared to learning through life-like interactions.



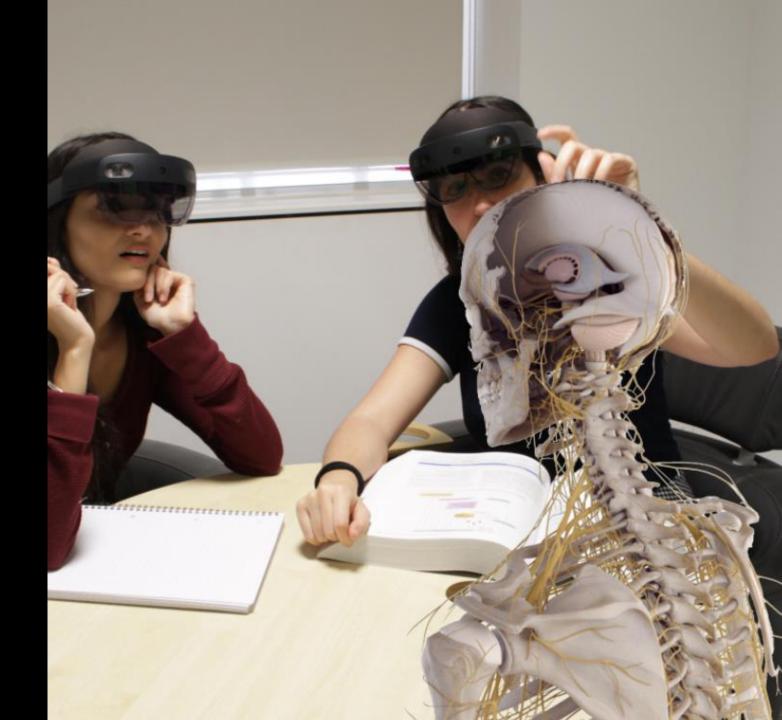
Mixed reality technologies enable students to see, hear, and assess holographic objects to better develop their practical learning and diagnostic skills.

Holo Assessment

A virtual patient engagement and diagnostic experience using HoloPatient for HoloLens 2 combines patient visualization with data overlays to help medical students practice their assessment skills.



gig^{xr} HoloPatient





Reported feedback, across all student test audiences, was a 100% favorability rating for symptom identification and overall visibility perspective.

practical experience that enables students to see ailments

and practice assessments before working in clinics.



learning opportunities for students and new ways of

engaging students throughout their learning.

Next Steps



Get started now

Contact your local Microsoft representative to get started and...

- ► Connect with a Mixed Reality specialist
- Contact mixed reality partners near you
- Explore common deployment scenarios



Continued learnings

Gain deeper understanding of mixed reality platforms, solutions, and use cases

- ► <u>Learn more about HoloLens 2</u>
- ▶ <u>Understand more about Dynamics 365 Remote Assist & Guides</u>
- ► <u>Learn about Microsoft Mesh</u>

