

Accessibility & gaming: beyond the controller

#ID24 – September 2023

Hector Osborne Rodriguez

@HecOsborneRod

.

Hola!

He / Him

Senior Manager @ Accenture Front End Development. Gamer.



What's talk is not about?

This talk is not about Console Wars.

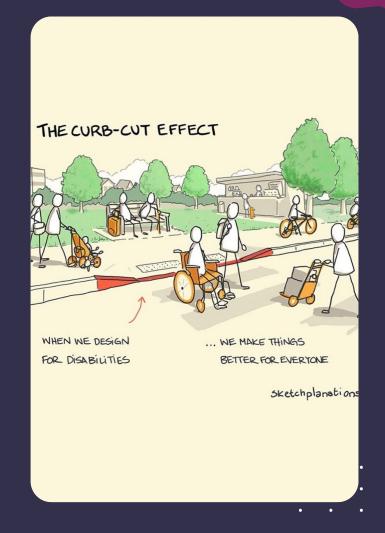
This talk is not just about a11y.

This talk is not just about gaming.



What's talk is about?

This talk is about the Curb-Cut effect gaming accessibility is having in other industries!



In this talk I will cover

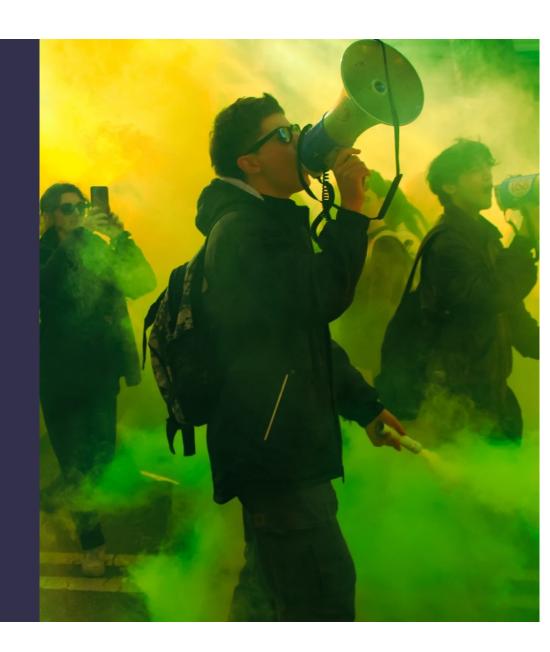
- 01 Web vs gaming
- **02** Xbox's Adaptive Controller
- **03** Spreading awareness
- 04 Accessibility & personalization

Web vs Gaming

Being an accessibility advocate

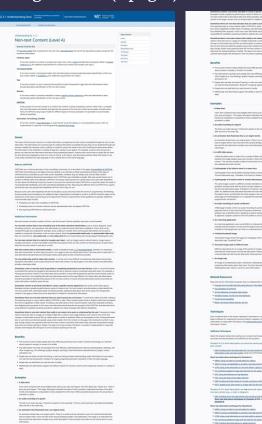
"You face constant risks to career growth, personal mental wellbeing, burnout, fear of failure, rejection, reputation as well as the emotional toll of constant empathy for others."

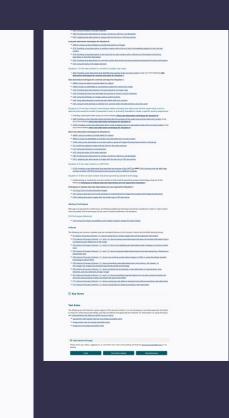
- Cam Beaudoin



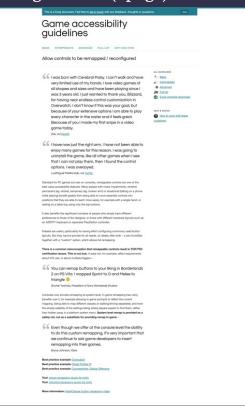
WCAG vs Game accessibility guidelines

Web guideline (3 pages)





Game guideline (1 page)



In 2023

96.3% of Home Pages had accessibility failures!

https://webaim.org/projects/million/#wcag





Spiderman 2

Slow Motion in action scenes

Forza Motorsport:

Blind Driver Assist

Dead Space Remake:

Censoring traumatic images & themes (like suicide)

Project Leonardo:

Playstation's adaptive controller





Takeaway 01

Lead with inspiration, nobody likes leaders who rule with fear.

Topic 02

Xbox's Adaptive Controller

Speaking of inspiration

"Sometimes a change comes and feels like breath of fresh air, you enjoy it greatly. It is new, thrilling, and invigorating"



What is it?







User research







That's a wrap









https://news.xbox.com/en-us/2018/07/25/accessible-unboxing-of-the-xbox-adaptive-controller/

Takeaway 02

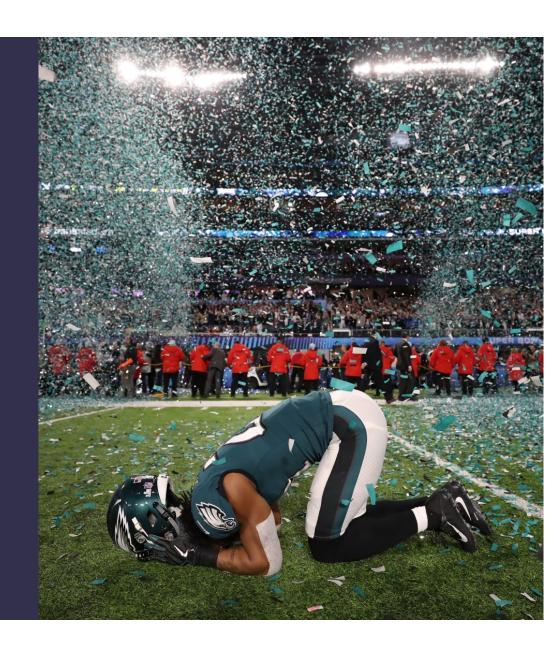
Nothing for us without us

Topic 03

Creating awareness

The biggest audience

- The largest live television audience in U.S. and where people aren't skipping the ads.
- The Super Bowl gives
 advertisers the 'instant
 awareness'
 they want to sell their product.
- About 76% of likely Super Bowl viewers in the U.S. say they're excited for the ads.



Super Bowl 2019

"When Everybody plays, we all win"



Next day reaction



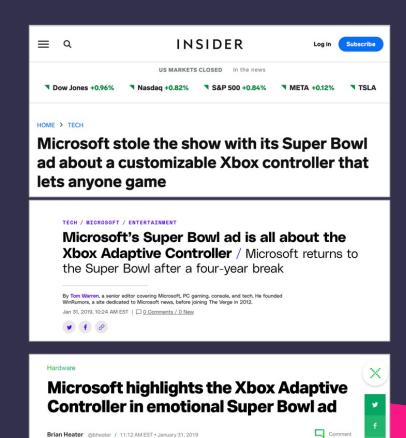
NEWS

Xbox's Heartwarming Super Bowl Ad Puts Spotlight On Adaptive Controller

by Elise Favis on Feb 03, 2019 at 11:00 AM



Microsoft's new Super Bowl commercial puts the Xbox One Adaptive Controller at center stage, with young kids commenting about their positive experiences with it.



The last two years



♪ He's nervous, but on the surface he looks calm and ready ♪



Takeaway 03

Start where you are. Use what you have. Do what you can!

- Arthur Ashe

Topic 04

Accessibility & personalization

Universal Design Principles

Equitable Use:

design for people with diverse abilities

Flexibility in Use:

design to accommodate a wide range of individual preferences and abilities

Simple and intuitive use:

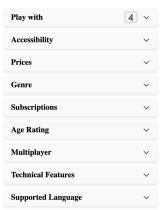
design for easy understanding, regardless of experience, knowledge, language or concentration level.



Key Features

Game Developers can use tags in their products to indicate specific accessibility features provided by their games.

Filters



Filters

Pla	y with	4 ~
Ac	cessibility	^
Gameplay		
	Accessibility on launch	
	Adjustable difficulty	
	On-demand tutorials	
	Pausable	
	Progress saving options	
Au	dio	^
	Customised volume controls	5
	Narrated game menus	
	Spatial audio	
Vis	sual	^
	Adjustable text size	
	Colour options	
	Steady camera	
	Subtitle options	
	Text contrast option	
Inp	out	^
	Adjustable input sensitivity	
	Full keyboard support	
	Input remapping	
	No button holds	
0	No quick time events	

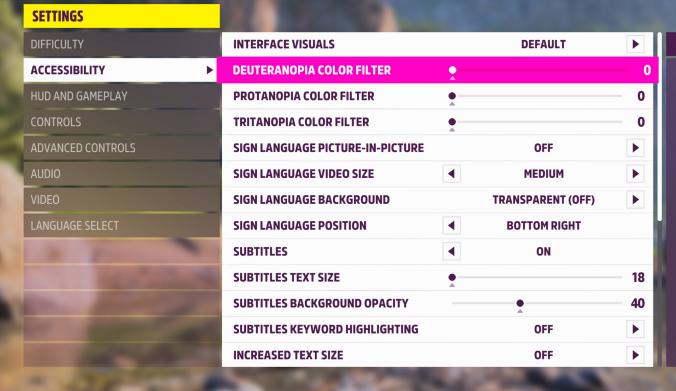
Forza Horizon

Forza Horizon 5 enabled on-screen sign language interpreters in both ASL & BSL.





Start screen includes option for ally



DESCRIPTION

Adjust environment lighting to compensate for Deuteranopia (green) color-blindness.

Slow down

Marvel's Spider-Man 2 will offer an accessibility setting that lets you slow down the game's action.

You'll be able to slow things down by: 70 percent, 50 percent, or 30 percent.



Takeaway 04

Give me choices, let me decide!

What did we learn today?

Takeaway 01

Lead with inspiration, nobody likes leaders who rule with fear.

Takeaway 02

Conduct user research with people with disabilities.

Takeaway 03

Start where you are. Use what you have. Do what you can!

Takeaway 04

Give them choices, let them decide.

Hector Osborne Rodriguez

Senior Manager @ Accenture

Linked In <u>@HectorOsborneRodriguez</u>

Twitter <u>@HecOsborneRod</u>

Web <u>https://a11y.tips</u>



Thank you