

CODELESS AR & VR



Time. Attention. Engagement.

Content

on the internet

1.0

INFORMATIVE

☰ Words

2.0

INTERACTIVE

▶ Videos

🖼️ Photos

3.0

IMMERSIVE

🌐 360°

📐 3D

👓 VR

📦 AR



60s
Mainframes



70s
Macintosh



80s
Desktops



90s
Laptops



now
Smartphones



VR & AR
the future

Engagement Times

🖼️ PHOTOS
0.8 sec

▶ VIDEOS
57 sec

👓 VR/AR
190 sec

Always Evolves



XR

Extended Reality

Extended Reality (XR) is an umbrella term that encompasses Virtual Reality (VR), Augmented Reality (AR), Mixed Reality (MR), 360° & 3D content.



VR



AR



360°

XR



3D

Markets for AR

Advertising

Marketing

Ecommerce

Year	Spend
2019	\$800M
2022	\$1800M

[The Domain of GDN, FB etc.](#)

Year	Spend
2019	\$10M
2022	\$900M

Display

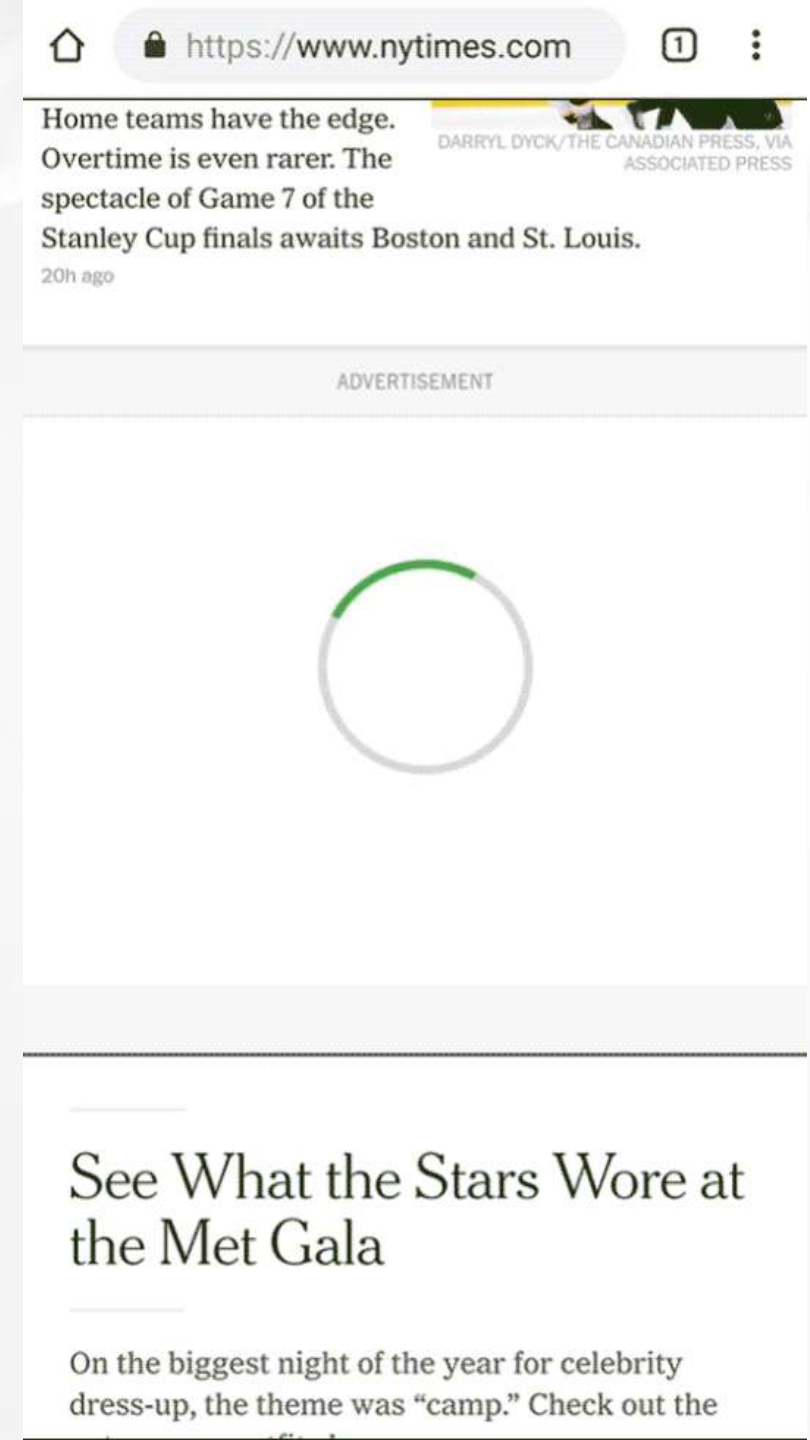
Search

Year	Spend
2019	\$1Bn
2020	\$4Bn
2021	\$10Bn
2022	\$18Bn

Year	Spend
2019	-
2022	\$1Bn
2027	\$10Bn

AR Ads will dominate

- The trend for AR-equipped banner ads has started. Power Rangers was one among many
- High user engagement due to immersive nature of the media
- High levels of customization & product personalization (Sephora case study)
- Vertebrae, which started as a developer of virtual reality (VR) ads, has seen more interest in AR, due to the lower level of resources and time required for AR apps. Expect more ad networks to adopt AR too.



How Apple and Google are enabling AR on Smartphones

May 2017

ARKit – Apple

Any developer can create high fidelity AR apps

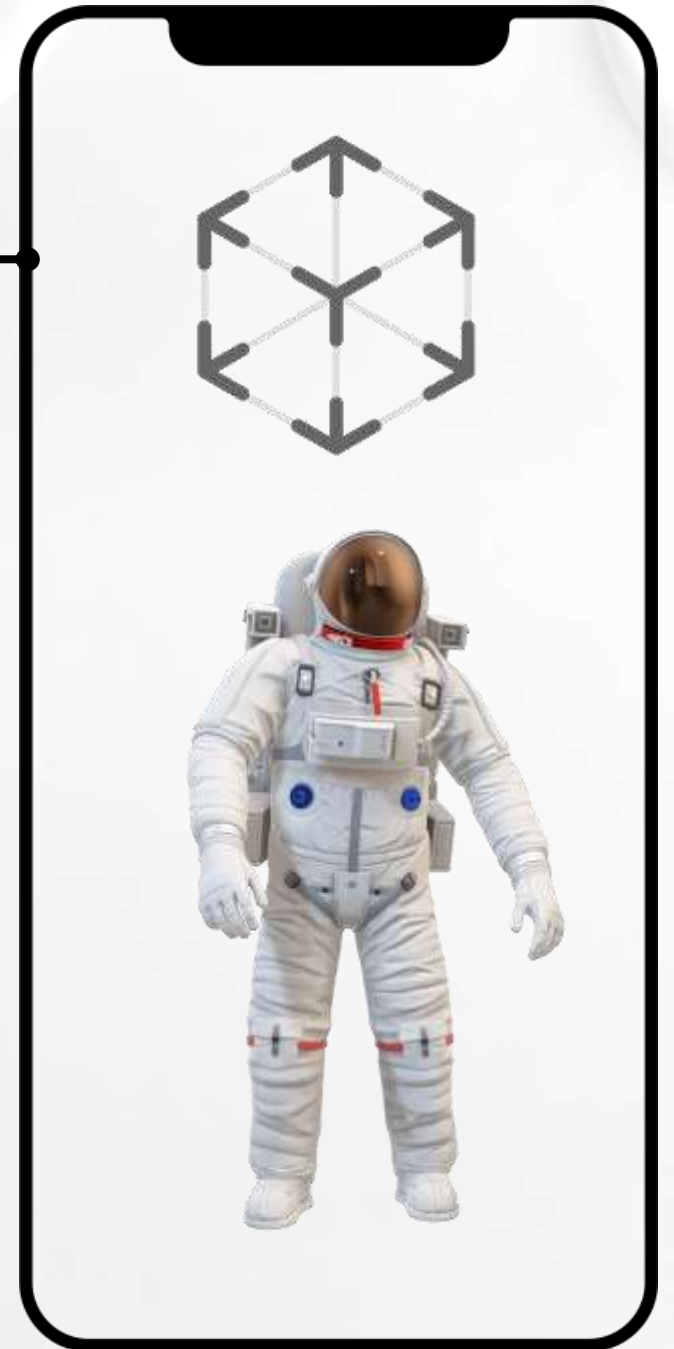
Feb 2018

ARCore – Google

OEM ecosystem begins to ship phones with AR built-in

Why this was important

- Native OS level optimizations
- App Developer = AR Developer
- No additional hardware



Market Response

- Non-gaming & utility use cases
- Content development = Software development
- Platforms of choice = Unity, Vuforia, Unreal etc.

Made with Unity and Vuforia

Discover the amazing games and projects made with Unity.



Skylanders Battlecast

[Apple Store](#) [Google Play](#)



Crayola Color Alive

[Apple Store](#) [Google Play](#)



Coeur D'Orly

[Apple Store](#) [Google Play](#)



The Adoption Problem

- Pros: Highly slick apps
- Cons: extremely expensive (\$\$\$) and time consuming to develop/update content
- Market adoption slow
- AR was still limited to a heavy *app driven* experience. Ex: [Vuforia SDK](#)
- IKEA has two apps – one for general catalog and IKEA Place for AR
 - Why? The AR version is heavy, large in size
- Distribution using Apps Only inhibits wider adoption and scale. Pretty much rules out Retail, media/advertising markets

Unity	Unreal Engine 4 Close
Supports 21+ Platforms Including Mobile, Web, PC and Console	Supports mainly PC and Console Games
C#, UnityScript, Boo	C++
Great for 2D and 3D	Better powered for 3D games
No Profiler for free version	Profiler
Limited graphics	Next generation graphics.
\$1500 Pro Version or \$75/month	Free with 5% revenue share
Better option for novices	Only for pro's
Programmer AND Designer friendly	Designer friendly only
Detailed documentation	Lacklustre documentation
Multitude of community and official tutorials for developer support	Tutorials largely catering to designers rather than programmers
Free after a revenue turnover of <\$100k	Free after a revenue turnover of <\$50k
Perfect tool for building any sort of game	FPS built, so better suited for FPS based games only

I see AR as being profound. AR has the ability to amplify human performance instead of isolating humans. So I am a huge, huge believer in AR.

We put a lot of energy on AR. We're moving very fast. I don't want to say what we may do, but I could not be happier with how things are going right now.

- Tim Cook, Apple's Q1 Earnings Call 2018



Google bets big on AR



AR across on:

Search Results

SEO indexing

Default Pixel cam

GDN

Swirl – AR Ads

AR Google Maps

AR on Google Lens

Google Glass 2.0

Fuschia.dev



NASA Curiosity Mars Rover

NASA Mars Curiosity Rover



Apple bets big on AR



Market leaders in AR:

ARKit – version 3

RealityKit

RealityComposer

WebXR on Safari

Human occlusion

Spatial anchors

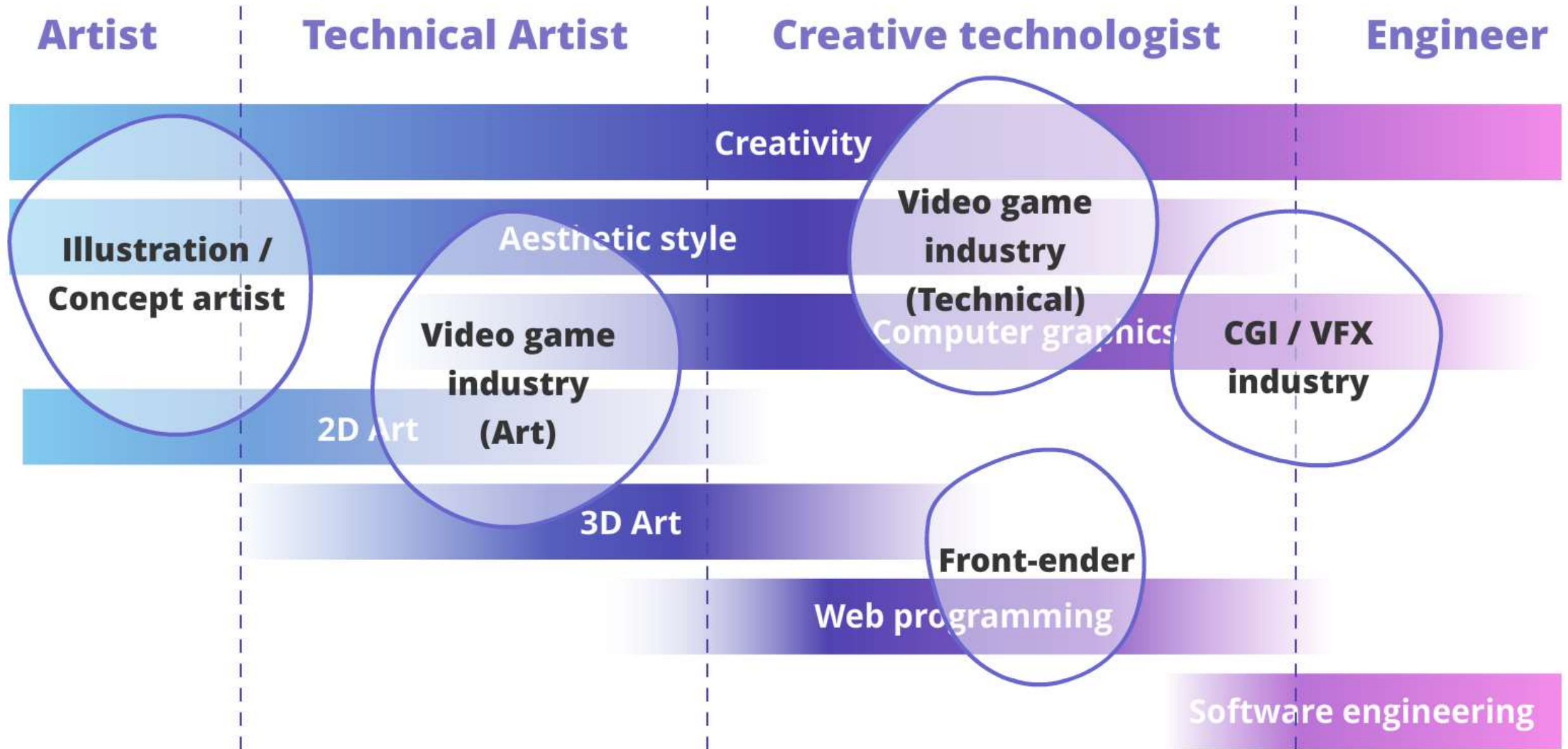
Strongly rumored to be working on AR Glasses as next device category

Benefits of Augmented Reality in Retail

-
- 1 Increase store visitors
 - 2 Better customer engagement
 - 3 Enhance print media
 - 4 Reduce product return rate
 - 5 Better UX, customizable content
 - 6 Break language barriers



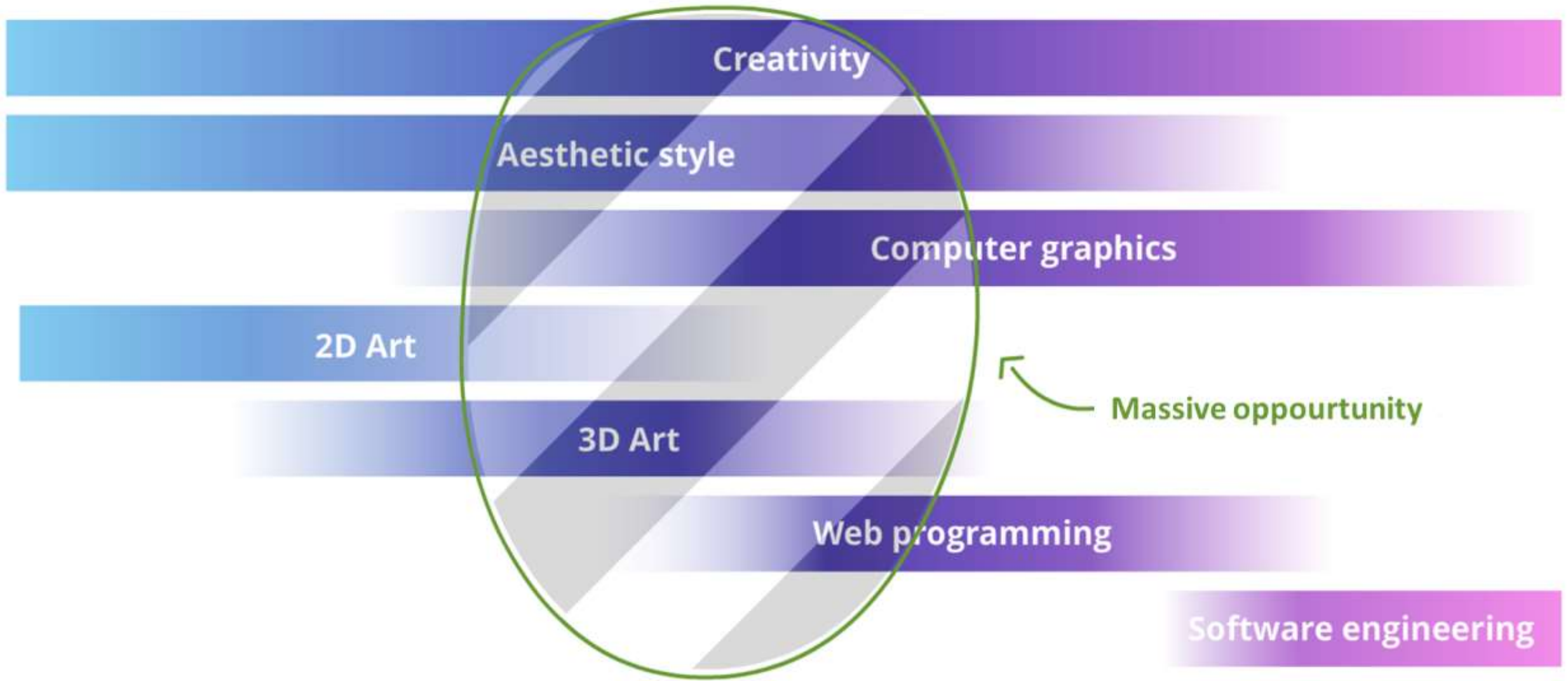
Fragmented knowledge and market segments



Big opportunity to create value for the unmet need

Art skills

Programming skills



2019 – Web meets AR and VR



WebXR

Access to highly
privileged resources

Camera
Sensor Data
GPU throttling

- [Mozilla, Google launches XR browsers](#)
- [W3C publishes WebXR standard, 30 + companies committed](#)
- [Nreal, Qualcomm launch reference designs for AR glasses](#)
- [Facebook pushes for UGC across VR and AR with platforms](#)
- [Shopify introduces AR compatibility](#)

WebXR works everywhere



The Unmet Need

- Cloud Delivery
 - Rendering complex 3D models/holograms via open web with high quality user experience; no jitters
 - Compatibility across wide variety of devices (smartphone)
 - Adapt to ambient lighting
 - Securely hosted assets
 - Analytics – AR Heatmaps
- Development Tools
 - Current dev tools are too complex for advertising/ecommerce sectors
 - These industries, Create Not Code
 - Need Create Once Render Anywhere
 - File format compatibility – iOS vs. Android

 Airtable  bubble  Retool *webflow*  thunkable

 voiceflow  zapier  scapic  OCTANE AI  IFTTT

 shopify  SQUARESPACE  readymag  Substack  weebly  about.me

 Typeform |  strikingly  coda  dropsource  shoutem  Carrd

The Rise of “No Code”



Ryan Hoover

Follow

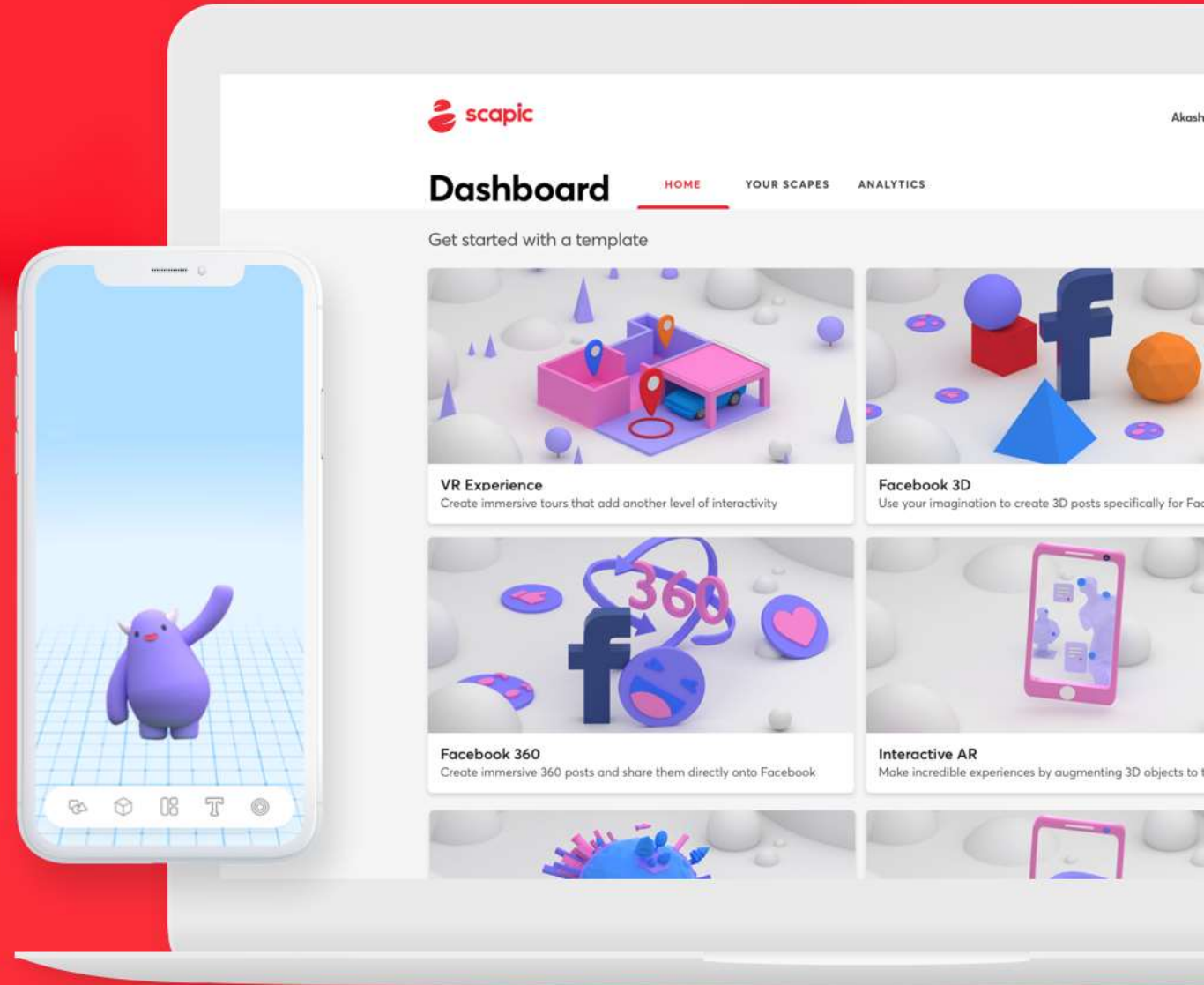


What is Scapic?

Scapic makes XR easy

Scapic offers a suite of templates which help you create and distribute 360°, 3D, VR and AR content easily.

- **Cost & time effective implementation**
- **No technical expertise required**
- **Cross compatibility across native applications, browser and social media**



AR on the Web

Demonstration



Works with variety of products



Electronics

[Demo](#) [Video](#)



Wearables

[Demo](#) [Video](#)



Automobiles

[Demo](#) [Video](#)

[Demo](#)



Furniture

[Demo](#) [Video](#)

Team

20+ strong team with deep experience in development & design of 360°, 3D, VR & AR content



Sai Krishna

Hails from Stanford GSB, and previously cofounded an AI startup and an Ed-Tech startup.



Ajay P V

Previously been a part of Gridraster Inc, a San Francisco based VR Startup and Cisco.



Investors

Speciale Invest | specialeinvest.com

Axilor Ventures | axilor.com

Tech Advisory

Daniel Applequist, Samsung Internet

Damon Hernandez, Samsung Research

Ada Rose Canon, Chairperson, Immersive Web Workgroup

John Pallet, Chrome XR

Lars Fodor, Mozilla Mixed Reality

Gregory Fodor, Mozilla Mixed Reality

Advisors

Barry Sandrews, Pioneer in film colorization, VR

James Lattin, Professor, Stanford GSB

Marco Marinucci, Ex-Googler

Mentors

Ryan Hoover, Product Hunt

Laks Srin, Zenefits

Indus Khaitan, Chargebee

Kevin William David, Angel List

You're in good company

Top brands & businesses across the world trust us to bring their immersive experiences to life



