Menu L_ U X_Search
Close
<u>Home</u>
Support
Our apps:
<u>Halide</u>
The best pro camera iPhone and iPad
<u>Spectre</u>
A free AI-powered long exposure camera for everyone
<u>Kino</u>
Cinematic pro video camera for iPhone with pro color presets
<u>Orion</u>
Our free app to turn your iPad into an HDMI monitor
• <u>Twitter</u>

- Facebook
- <u>RSS</u>

Copyright 2024 — Made with love in California and New York by two dads





Physicality: the new age of UI

What is HDR, anyway?

<u>iphone</u>

iPhone 16e camera review: The Essentials



The Road to Halide Mark III

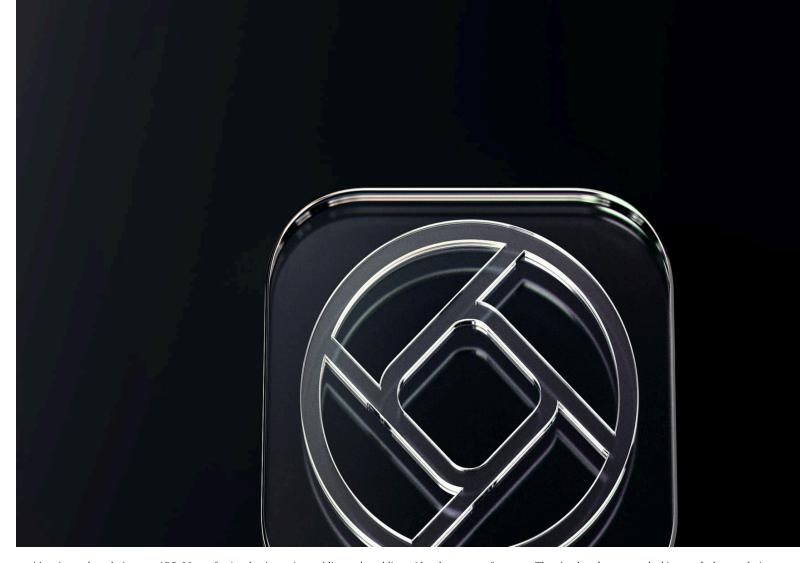
Popular topics

- <u>Halide</u>
- <u>iphone</u>
- <u>app</u>
- spectre • <u>update</u>
- <u>design</u> • camera

Physicality: the new age of UI

There's a lot of rumors of a big impending UI redesign from Apple. Let's imagine what's (or what could be) next for the design of iPhones, Macs and iPads.





It's an exciting time to be a designer on iOS. My professional universe is trembling and rumbling with a deep sense of mystery. There's a lot of rumors and whispers of a huge redesign coming to the iPhone's operating system — one that is set to be 'the biggest in a long time'.

There's only been one moment that was similar to this: the spring of 2013. On June 10th, Apple showed off what would be the greatest paradigm shift in user interface design ever: iOS 7. I remember exactly where I was and how I felt. It was a shock.



If there is indeed a big redesign happening this year, it'll be consequential and impactful in many ways that will dwarf the iOS 7 overhaul for a multitude of reasons. The redesign is rumored to be comprehensive; a restyling of iOS, macOS, iPadOS, tvOS, watchOS and visionOS. In the intervening years between iOS 7's announcement and today, iPhones have gone from simply a popular device to the single most important object in people's lives. The design of iOS affected and inspired most things around, from the web to graphic design and any other computer interface.

That's why I figured I'd take this moment of obscurity, this precious moment in time where its changes are still shrouded in fog to savor something: wholesale naivety of where things are going, so I can let my imagination run wild.

What would I do if I were Apple's design team? What changes would I like to see, and what do I think is likely? Considering where technology is going, how do I think interface design should change to accommodate? Let's take a look at what's (or what could be) next.

Smart people study history to understand the future. If we were to categorize the epochs of iOS design, we could roughly separate them into the Shaded Age, the Adaptive Age, and the New Age.

The Shaded Age

iOS started out as iPhone OS, an entirely new operating system that had very similar styling to the design language of the Mac OS X Tiger Dashboard feature:



via https://numericcitizen.me/what-widgets-on-macos-big-sur-should-have-been/



early iPhone prototypes with Dashboard widget icons for apps

The icon layout on iPhone OS 1 was a clear skeuomorph.

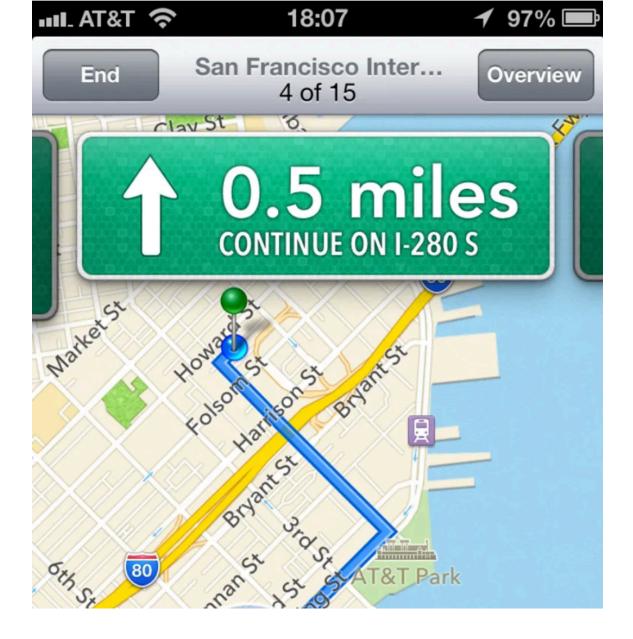
You might've heard that word being thrown around. It might surprise you that that doesn't mean it has lots of visual effects like gradients, gloss and shadows. It actually means that to make it easier for users to transition from something they were used to — in this case, phones typically being slabs with a grid of buttons on them — to what things had become — phones were all-screen, so they could show any kind of button or interface imaginable.





At the time of iPhone 1's launch, a cartoon of a 'phone' would still be drawn as the image on the left. A grid of buttons defined its interaction model and comfort zone.

And yes, there was a whole lot of visual effects in user interfaces from iPhone OS 1 to iOS 6. In this age, we saw everything from detailed gradients and shadows in simple interface elements to realistically rendered reel-to-reel tape decks and microphones for audio apps.







The Facebook share sheet had a paperclip on it! The texture of road signs on iOS maps was composed of hundreds of tiny hexagons!

Having actually worked on <u>some of the more fun manifestations</u> of it during my time working at Apple, I can tell you from experience that the work we did in this era was heavily grounded in creating *familiarity through thoughtful*, *extensive visual effects*. We spent a lot of time in Photoshop drawing realistically shaded buttons, virtual wood, leather and more materials.

That became known as 'skeuomorphic design', which I find a bit of a misnomer, but the general idea stands.

Of course, the metal of the microphone was not, in fact, metal — it didn't reflect anything like metal objects do. It never <i>behaved</i> like the object it mimicked. It was just an effect; a purely visual lacquer to help users understand the Voice Memos app worked like a microphone. The entire interface worked like this to be as approachable as possible.
Notably, this philosophy extended even to the smallest elements of the UI: buttons were styled to visually resemble a button by being convex and raised or recessed; disabled items often had reduced treatments to make them look less interactive. All of this was made to work with lots of static bitmap images.
The first signs of something more dynamic did begin to show: on iPad, some metal sliders' sheen could respond to the device orientation. Deleting a note or email did not simply make it vanish off-screen, but pulled it into a recycling bin icon that went as far as to open its lid and close it as the document got sucked in.



















Alan Dye, upon introduction of the VisionOS interface, stated that every element was crafted to have a sense of <i>physicality</i> : they have dimension, respond dynamically to light, and cast shadows.	
This is essential in Vision Pro because the interface of apps should feel like it can naturally occupy the world around you and have as much richness and texture as any of the objects that inhabit that space. Comparing to the interfaces we are familiar with, that paradigm shift is profound, and it makes older, non physicality-infused interfaces feel archaic. If I were to position a regular interface in the Vision Pro context, the result looks almost comically bad:	
in I were to position a regular interface in the vision 110 context, the result tooks annost conneany bat.	







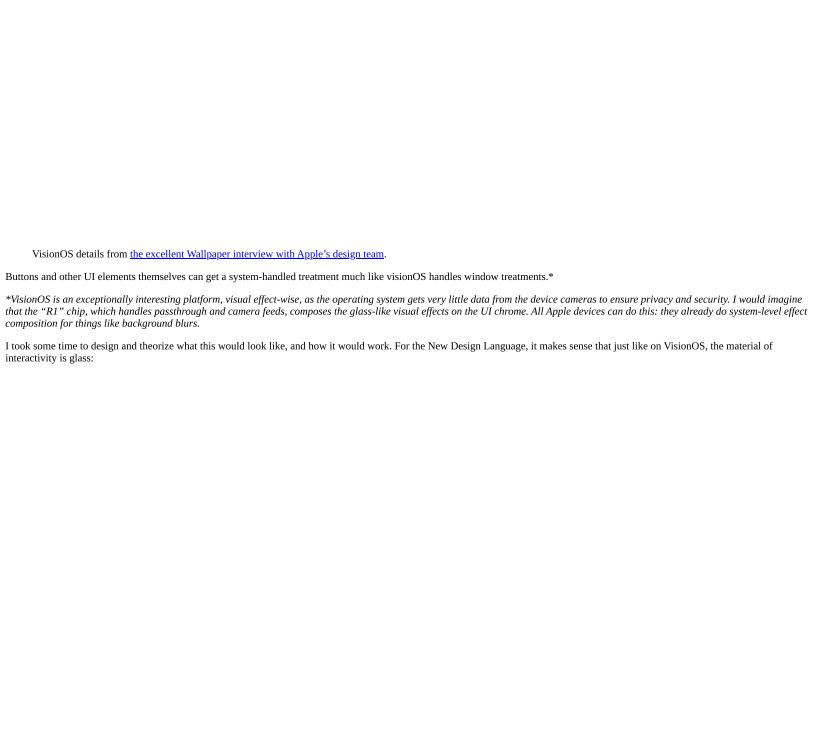




What could be the next step?

My take on the New Age: Living Glass









Note the exhaust flare being reflected in the video playback bar; an interactive element like the close button in the top left has its highlights dynamically adjusted by the scene,
too. Glass elements visibly occupy a place in a distinct spatial hierarchy; if it does not, elements can be 'inlaid': in essence, part of the plane of glass that is your display or a glass layer of the UI:
UI:



























And that still happens today. Only Apple could integrate sub pixel antialiasing and never-interrupted animations on a hardware level to enable the Dynamic Island and gestural multitasking; only Apple can integrate two operating systems on two chips on Vision Pro so they can composite the dynamic materials of the VisionOS UI. And, perhaps only Apple can push the state of the art to a new interface that brings the glass of your screen to life.

We'll see at WWDC. But myself, I am hoping for the kind of well-thought out and inspired design and engineering that only Apple can deliver.

All writing, conceptual UI design and iconography in this post was made by hand by me. No artificial intelligence was used in authoring any of it.



Orion – From idea to launch in 45 days

iPhone 15 Pro Max Camera Review: Depth and Reach

iPhone 15 Pro Max Camera Review: Depth and Reach

Orion: Finally, a screen that goes anywhere

Orion: Finally, a screen that goes anywhere

Lux — iPhone camera apps, camera reviews and more _

<u>Home</u>

Support Our apps

Halide

The best pro camera iPhone and iPad

Spectre

The AI-powered long exposure

camera for everyone

Cinematic pro video camera for iPhone

Orion

Turn your iPad into an HDMI monitor.

Copyright 2024 — Made with love in California and New York by two dads $\bigcup_{-}\bigcup_{-}\bigcup_{-}\bigvee_{-}$

00000