

# The Bill & Phil Show



It's 2021,  
So Where Is My  
Flying Car?

Bill Ramsey, Neal & Harwell  
Phillip Hampton

# THE Jetsons





# Hyundai/Uber Flying Taxi Concept





# The Old Is New Again





# Audio Revival

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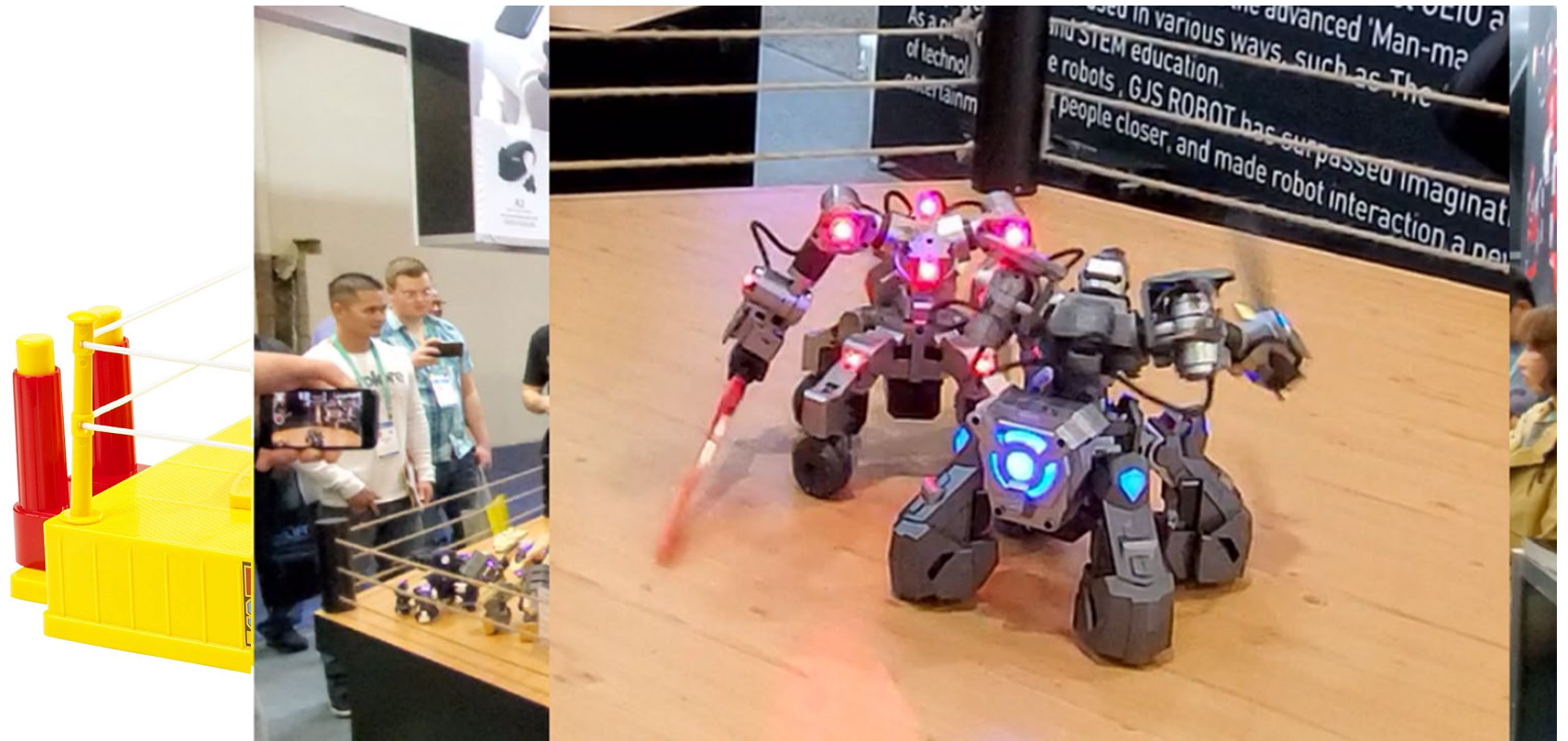
# New Old Games



# Old School Farming With New Tech

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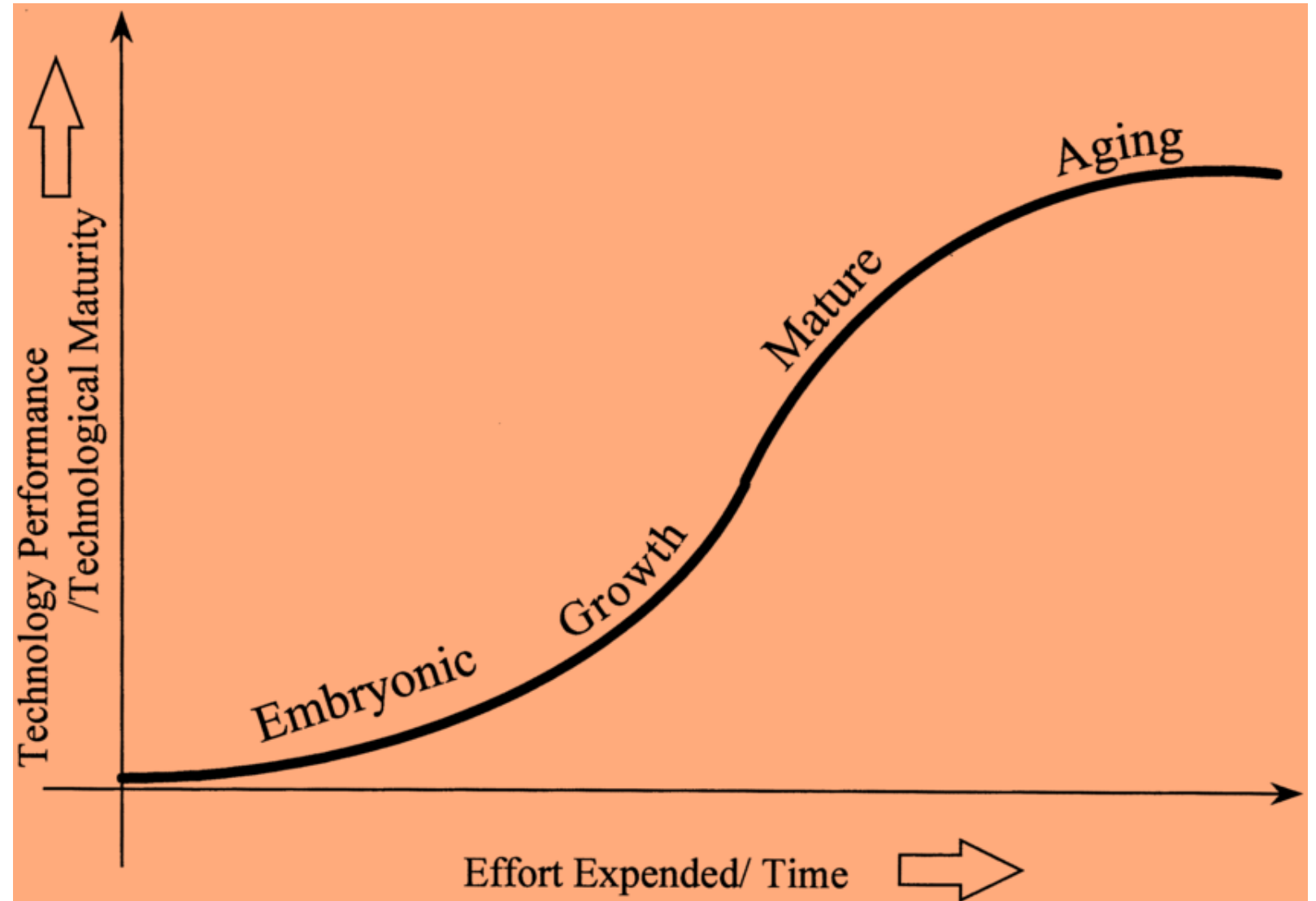


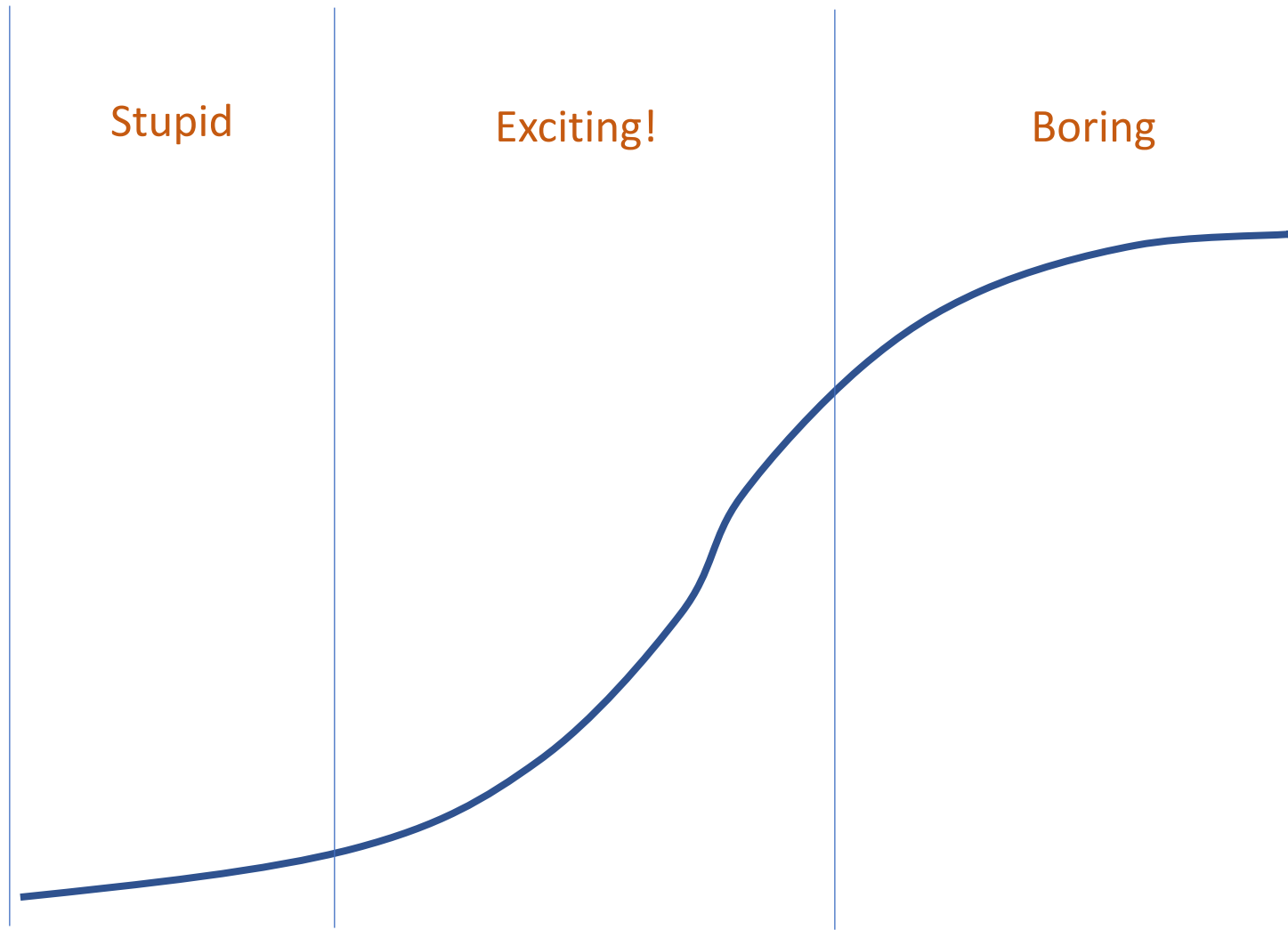


New "Old" Toys



# Technology S-Curve

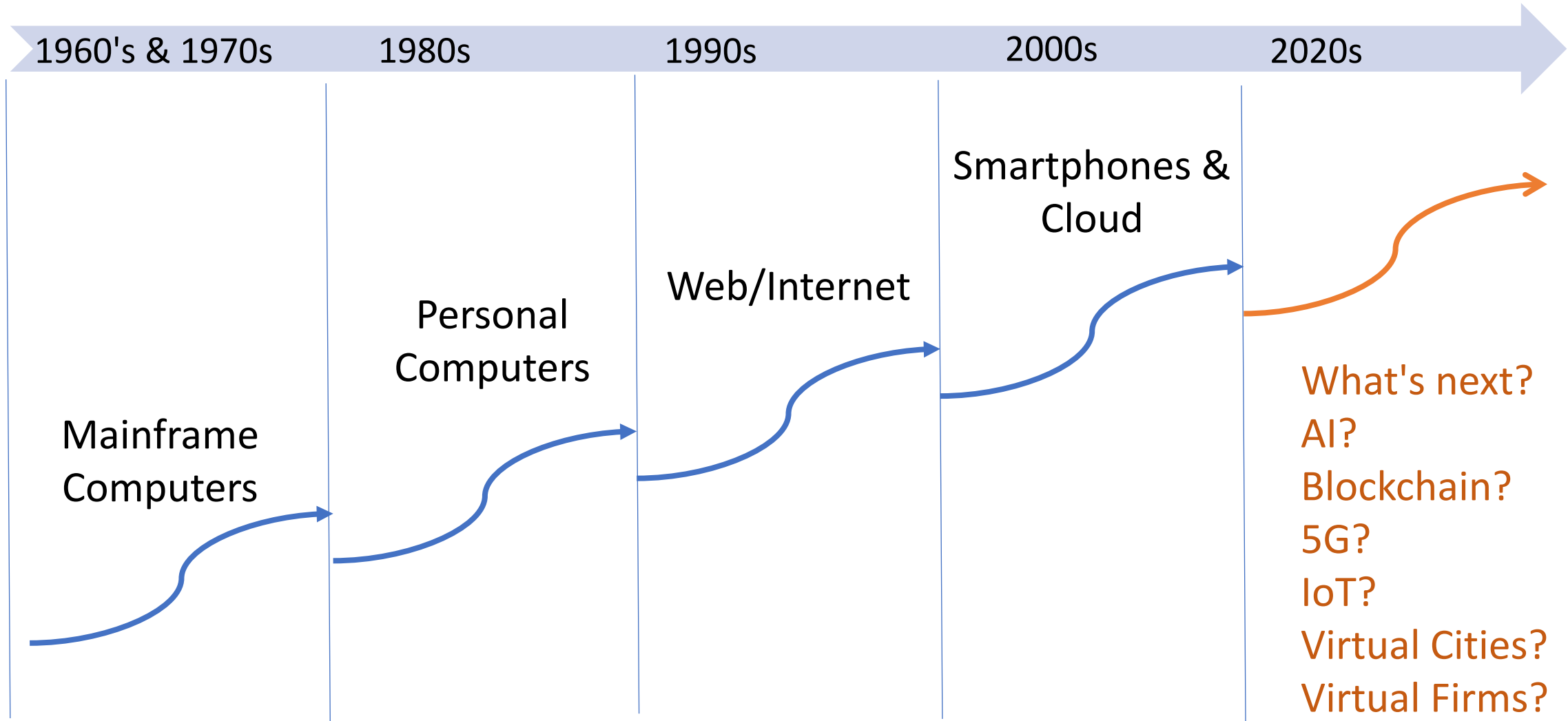




Technology S-Curve (In Layman's Terms)



# Tech Life Cycles 1970-Current



# Where are we on the mobile device S-curve?

## 7.8 Billion

Current world population in 2021 (Worldometers)

## 4.9 Billion (62%)

Mobile phone users in 2020 (Statista)

## 3.8 Billion (48%)

Smartphone users in 2020 (Statista)





## New (or "Old" New) Tech Trends for the 20s

- Mobility Is Everything
- Cloud Adoption Is Trendy for Law Firms
- Virtual Meetings Are the New Normal
- Security & Privacy Are Essential
- Tech Makes Work-Life Balance Possible



Mobility Is Everything |

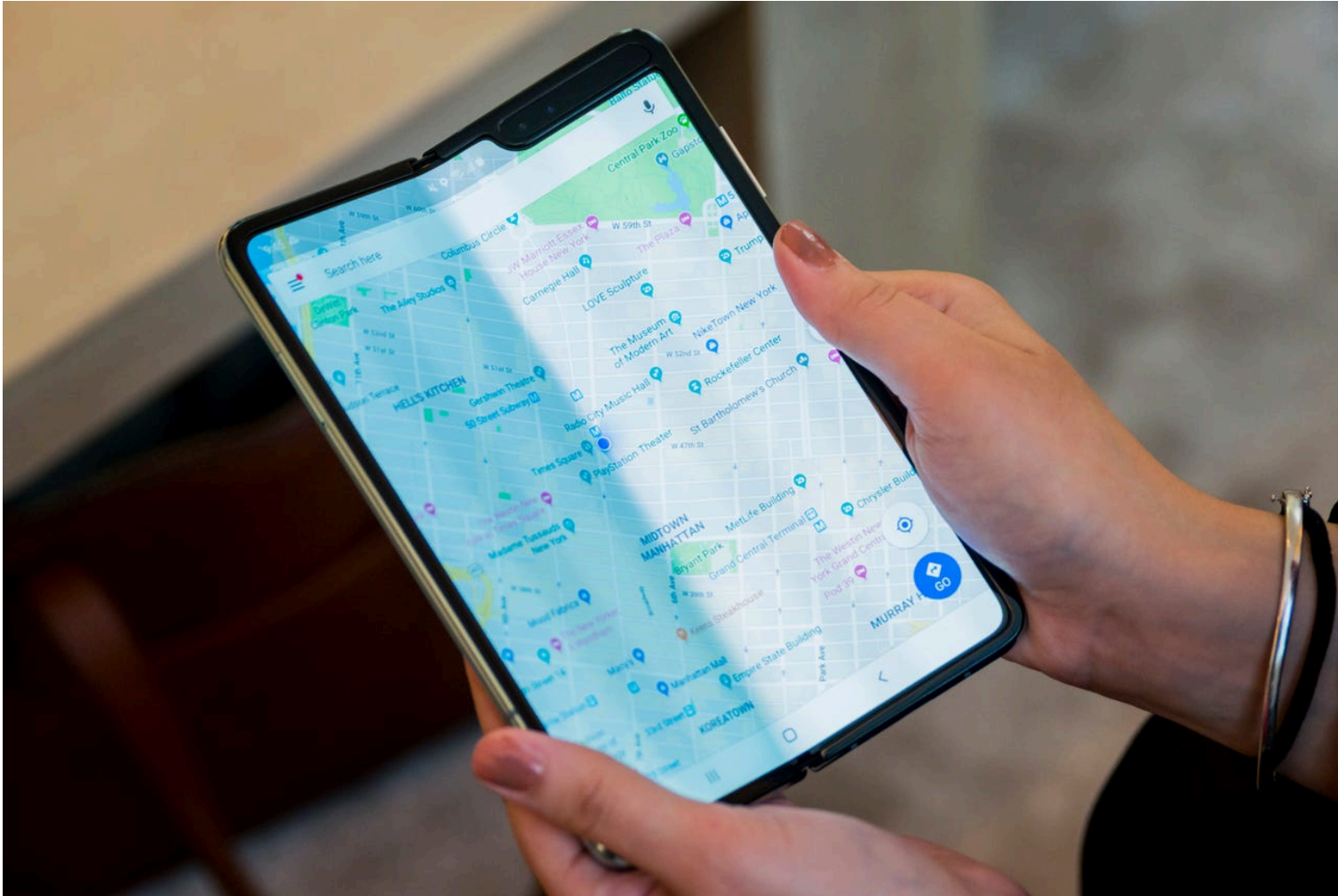
# Smartphone Roundup 2021

- Samsung Galaxy S21 (Plus, Ultra) – All 5G
- Samsung Galaxy Note 20
- iPhone 12 (Pro, Max, Mini)
- iPhone 13 (Mini)
- Google Pixel 4a 5G (Pixel 5a)
- Xiaomi (Europe & Asia)





## Dual Screen Devices



# Galaxy Z Fold3 Phone

- Flexible display
- Rocky rollout in 2019
- Unfolds to 7.6" tablet size
- S Pen
- 3 rear camera lenses
- Expensive: \$1,799
- (\$1000 with trade-in offers)



And now, to  
come full circle...





## Galaxy Z Flip3

- Hi-tech flip phone
- 4.2" folded size
- 6.7" bendable screen
- Proprietary bendable glass, "Ultra Thin Glass"
- 4G and 5G models
- IPX8 water resistance
- \$999
- (\$500 with trade-in offers)

# Surface Pro 8

- 2-in-1 laptop
- 13", 120 Hz display
- Ultra thin & light (1.7 lbs)
- Surface kickstand
- Thunderbolt 4 ports
- 16-hour battery life
- Surface Slim Pen 2
- Starts at \$1099
- Shipping Oct 2021
- [www.Microsoft.com](http://www.Microsoft.com)







## LG Gram 17"

- 17" display
- 2.98 lbs
- Up to 17-hour battery
- Wi-Fi 6
- Backlit keyboard w/  
numeric keypad
- Starts at \$1699
- [www.lg.com](http://www.lg.com)

# Dell Latitude 9510

- Premium business laptop
- 2-in-1 and clamshell models
- 15.6" display
- 3.2 lbs
- 5G and Wi-Fi 6
- 30-hour battery
- AI & machine learning integration
- Starts at \$2,119



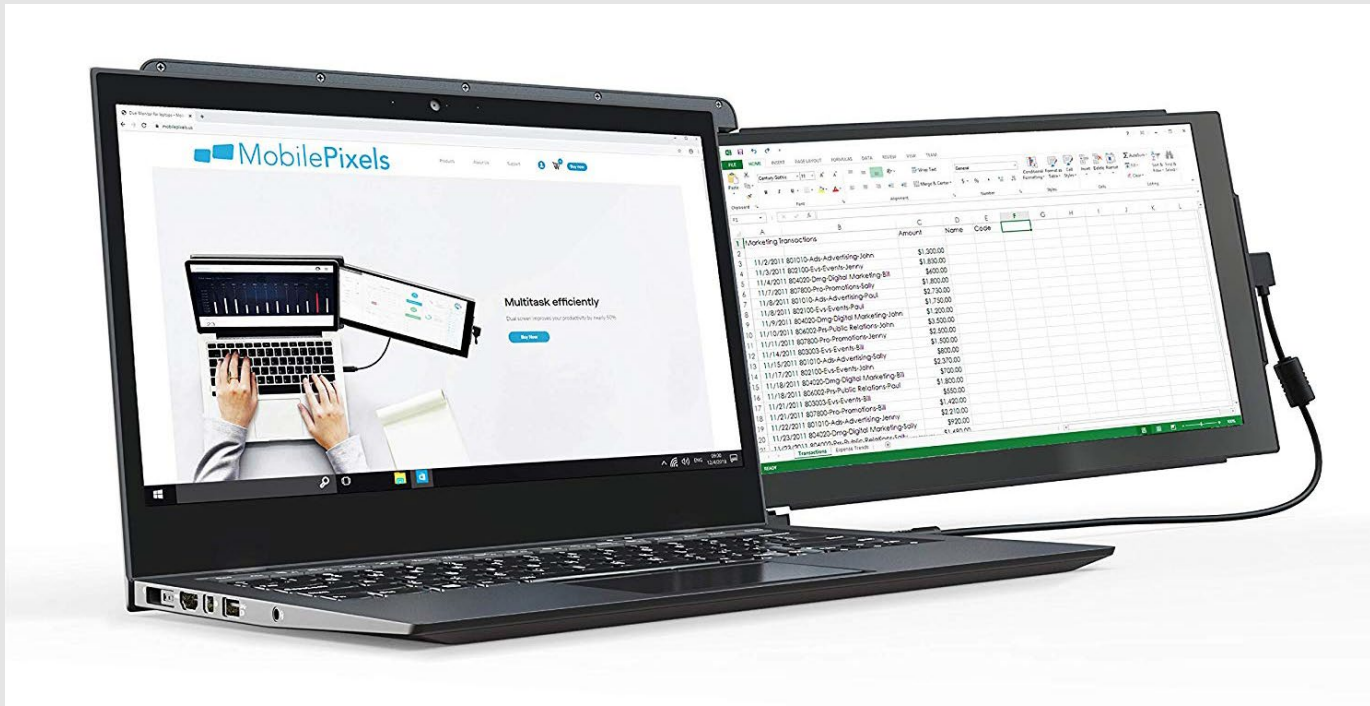


# Microsoft Surface Duo 2

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- Dual screens (8.3" total)
- LTE built-in
- 5G
- 3-camera system
- Surface pen support
- 360° hinge
- Android OS
- Starts at \$1,499





# Mobile Pixels Deux

- Portable dual screen for laptop
- Windows, Mac, Chromebook compatible
- 1.6 lbs
- \$269
- [www.mobilepixels.us](http://www.mobilepixels.us)

# Surface Laptop Go 3



- Microsoft “budget” Surface laptop
- 10.5” screen
- Windows 11
- Maxes out at 8GB Ram
- Supports Surface Pen (not included)
- Lightest Surface at 1.2 lbs
- Up to 11-hour battery life
- Keyboard sold separately
- Starting \$399





- Just over 2 lb
- Intel EVO compliant
- Enhanced audio
- Wi-Fi 6
- Privacy screen
- Webcam shutter
- 2-in-1 laptop design
- Starts at \$1,979
- HP.com

# HP Elite Dragonfly G2 / Max



# Samsung Galaxy Book Pro 360

- Ultrathin, light 2-in-1
- Intel EVO compliant
- 13" or 15" AMOLED screen
- S-Pen included
- Wi-Fi 6
- Privacy screen
- Starts at \$1,199
- [Samsung.com](https://www.samsung.com)

# iPad Magic Keyboard

- Keyboard for iPad with trackpad
- Backlit keys
- USB-C connector for pass-thru charging
- Magnetic backing
- Starts at \$299
- [www.apple.com](http://www.apple.com)





# Logictech Combo Touch

- Keyboard for iPad with trackpad
- Backlit keys
- iOS shortcut keys
- Any angle kickstand
- Starts at \$149
- [www.logictech.com](http://www.logictech.com)

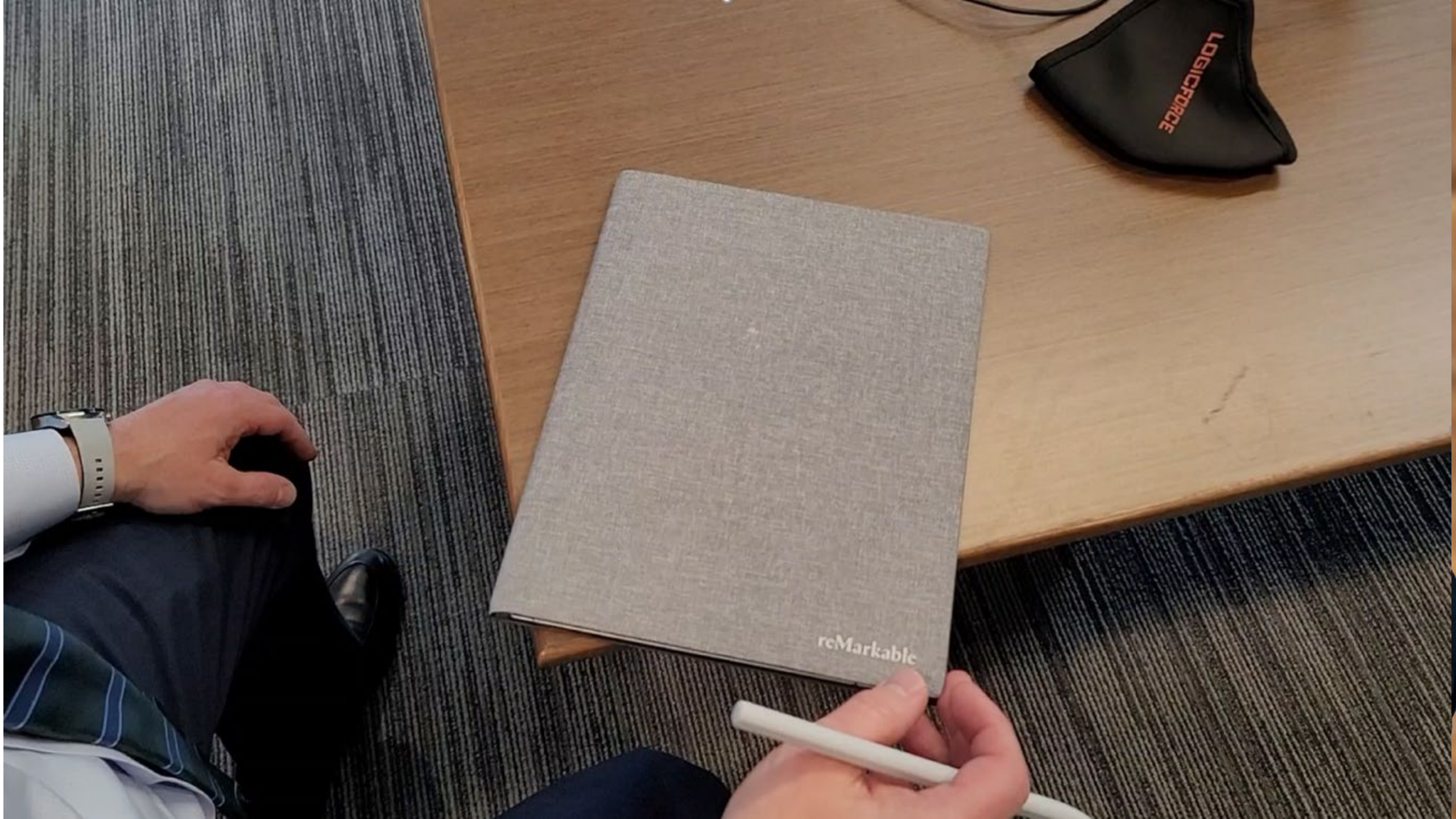


# reMarkable 2

- “Paper tablet”
- 10.3” E ink tablet (think Kindle)
- Display looks & feels like paper
- Reduced eye strain
- Convert notes to text
- Annotate PDFs
- Two week battery life
- \$399 (tablet) /\$49 (marker)
- Remarkable.com





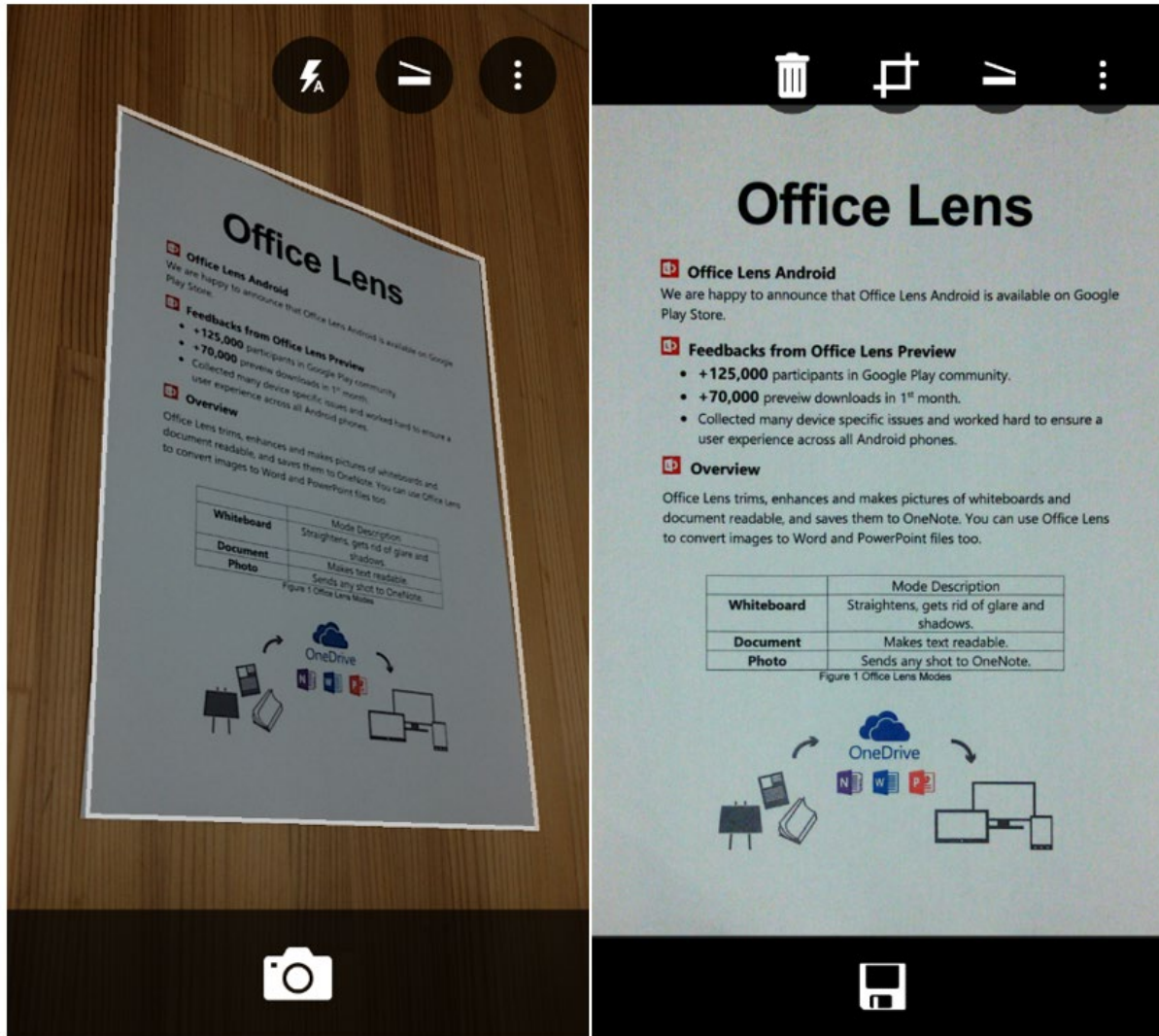


# Nimble CHAMP Portable Char

- Ultra compact portable charger
- 10,000 mAh battery
- Up to 3 days of power
- Charge 2 devices simultaneously
- Supports Apple and Samsung fast charging
- 6.4 oz
- \$49.95
- [www.gonimble.com](http://www.gonimble.com)







- Turn your phone into a scanner
- Photo/Document/Whiteboard modes
- Snap photo of document
- Automatically converts to PDF
- Free app on Google Play and Apple Store
- Now part of Office on iPad



# Flexible Displays





# LG Flexible OLED TV





# Lenovo X1 Thinkpad Fold



- "World's first foldable PC"
- Flexible 13.3" OLED display
- 2.2 lbs
- Leather cover
- Mini fold keyboard sold extra
- 11-hour battery
- 5G coming in 2021
- Starts at \$1,999

# Wireless Ear Buds



Apple Airpods 2/Pro \*\*\*\*



Samsung Galaxy Buds 2/Pro \*\*\*\*



Bose SoundSport Free \*\*\*



Amazon Echo Buds \*\*

# RHA Wireless Flight Adapter

- Use Bluetooth headphones with in-flight entertainment system
- 3.5mm adapter
- Simultaneously broadcast to 2 headphones
- 16 hour battery
- \$49.95
- [www.rha-audio.com](http://www.rha-audio.com)







Cloud Adoption Is Trendy for Law  
Firms |

# What About The Cloud?

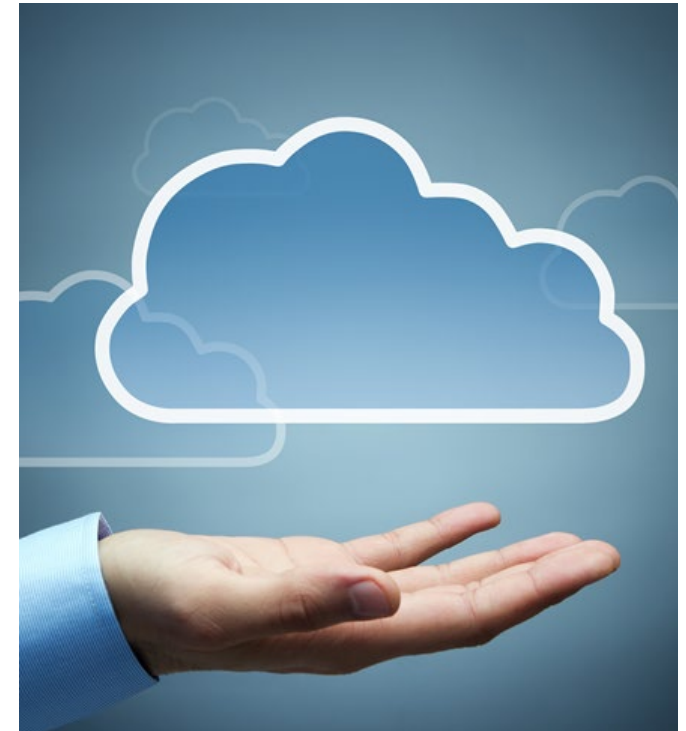
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Modern day "cloud computing" concept introduced by Google CEO Eric Schmidt in 2006

Law firms slow to adopt

Ethical considerations

- Security/privacy of client data
- Ownership of data
- Reliability of cloud vendor



Model Rule  
1.6(a):  
Confidentiality  
of Information

A lawyer shall not reveal information relating to the representation of a client unless the client gives informed consent, the disclosure is impliedly authorized in order to carry out the representation or the disclosure is permitted by paragraph (b).



# Model Rule 1.6(c): Confidentiality of Information

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A lawyer shall make **reasonable efforts** to prevent the inadvertent or unauthorized disclosure of, or unauthorized access to, information relating to the representation of a client.

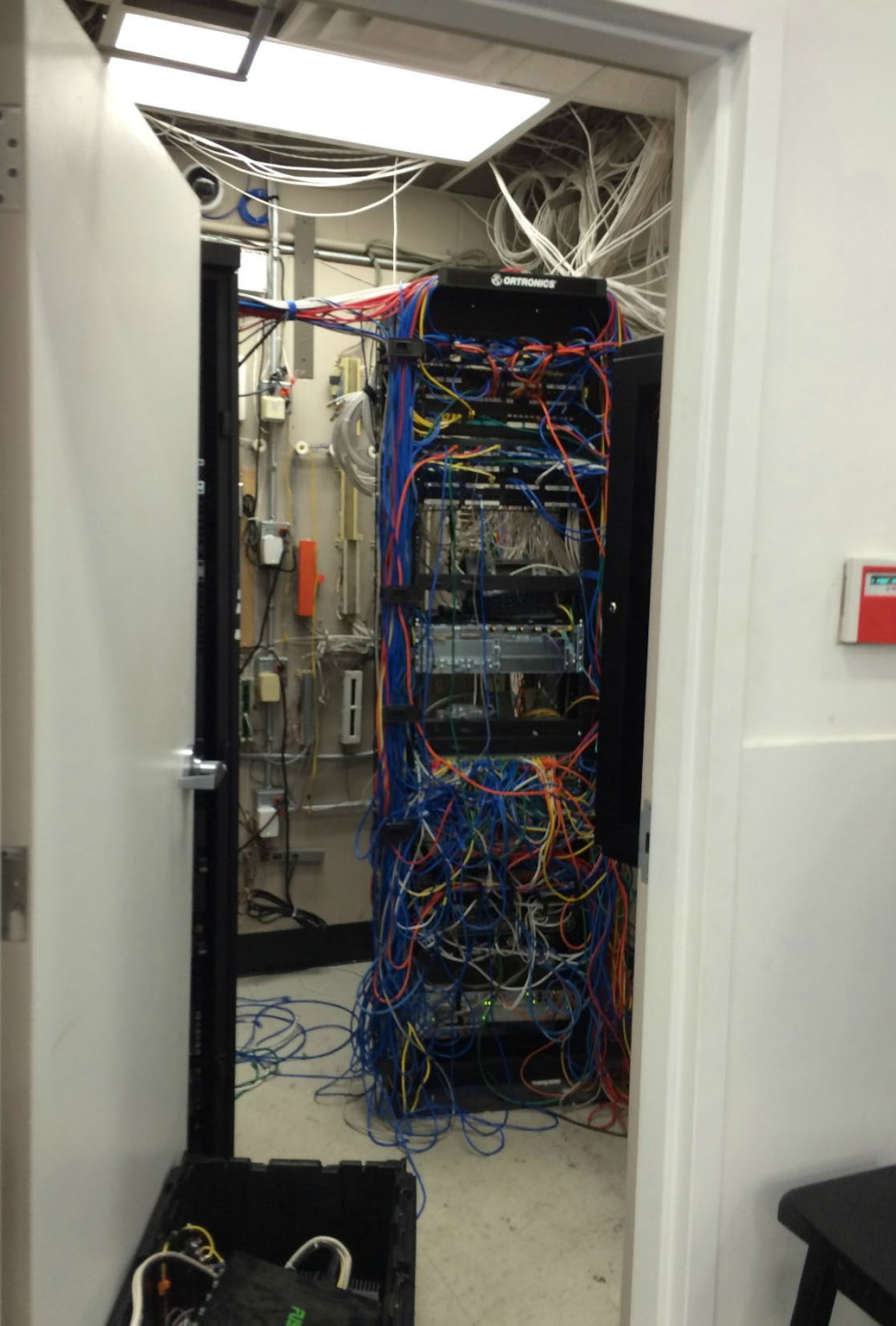
# Comment [18] to Model Rule 1.6(c)

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- "Process" to assess risks
- Identify and implement appropriate security measures responsive to risks
- Verify they are effectively implemented
- Ensure they are continually updated in response to new developments

--ABA Cybersecurity Handbook





Evolution to  
the Cloud



# Evolution to the Cloud





**COVID-19**

# The Cloud and Covid

- Work From Home (WFH) accelerates cloud migration for law firms
- Cloud adoption led by Microsoft 365
- Legal software vendors increasingly offer full cloud options
- Remote desktop falls out of favor as video calls increase



# The Serverless Law Firm



# Popular Cloud Applications



**Evernote**





# The Officeless Law Firm





Virtual  
Meetings Are  
the New  
Normal



# Optimize Your Internet Connection

- Check Wi-Fi Signal
  - Speedtest.net
- Factors Affecting Wi-Fi Signal Strength
  - ISP Bandwidth Allowance
  - Router
  - Distance
  - Other users on Wi-Fi network (gaming, streaming, Netflix, etc.)
- Upgrade Options
  - Wi-Fi Extender
  - Mesh network (Google Nest, Orbi, Eero, etc.)

# How Much Speed Do You Need?

## Recommendation:

(highspeedinternet.com)

10Mbps download speed per person

1Mbps upload speed per person

**For 4-person household:  
30-50 Mbps download**





# Essential Equipment

- Camera
  - PC/laptop camera, smartphone, GoPro
- Microphone
- Computer screen
- Optional equipment
  - Ring light
  - Earbuds or headphones
  - Green screen
  - 2<sup>nd</sup> monitor screen



# Our “Studio”



Ring Light



Green Screen



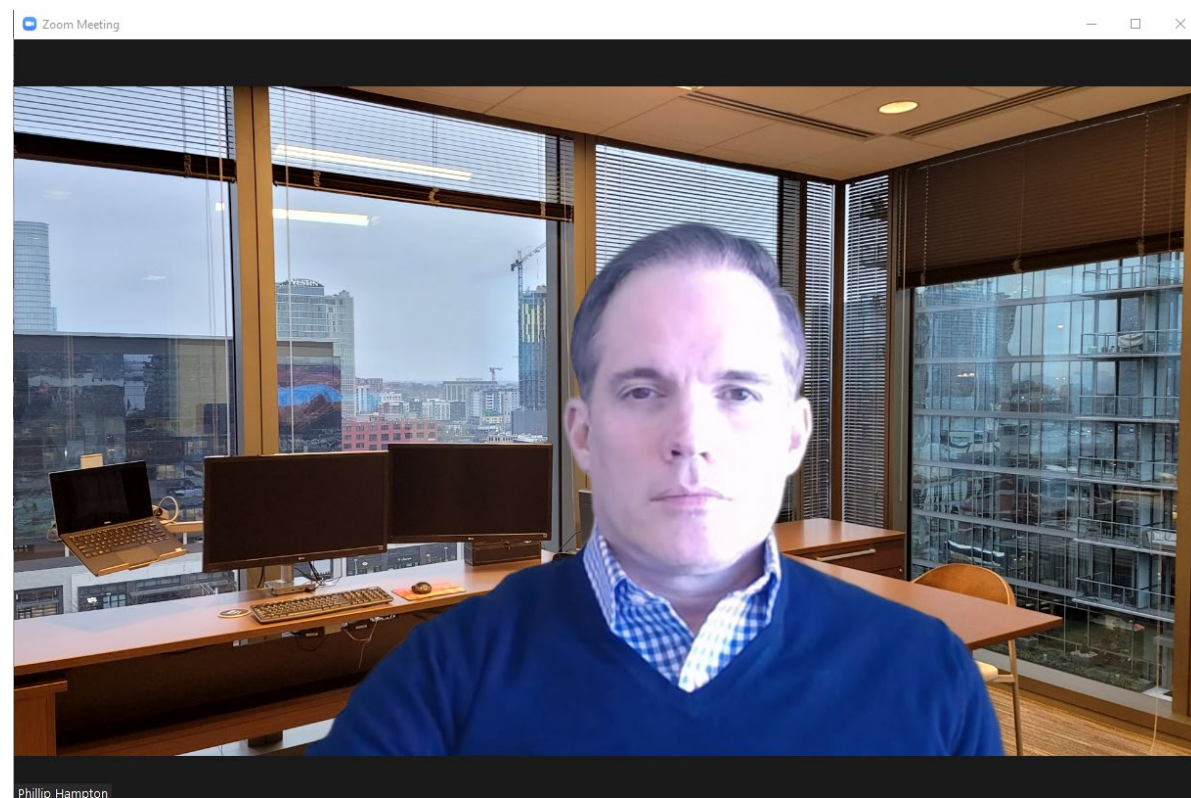
Yeti Microphone



# Using Virtual Backgrounds









# Video Conference Etiquette

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- Check appearance on video before going on live call
- Look into camera when talking
- Advise family/roommates when going on video conference to avoid pop-ins
- Mute mic when not speaking
- Go off camera to take separate phone call
- Don't speak over other speakers



zoom



Microsoft Teams



Cisco  
webex



Google Hangouts



GoToMeeting



BlueJeans



ClickMeeting





zoom

- Easy to use
  - Rich feature set for FREE version
  - December 2019 Average Usage: 10 million daily meeting users
  - March 2020 Average Usage: 200 million daily meeting users
  - Recent security concerns addressed by company
  - “Zoom-bombing”
  - Free Version (up to 40 min calls)
-



# Microsoft Teams

- Component of Microsoft 365 (no extra charge to use)
- Part of larger VoIP/Collaboration solution
- Collaboration tools
  - Instant messaging
  - File sharing
  - Group collaboration
- Some learning curve
- Free version (up to 60 min calls)



- Long history with web conferencing applications
  - Customized video layout
  - Up to 10,000 call participants
  - Noise detection & suppression features
  - Requires account creation for call participants
  - Free Version (1 host, up to 50 min calls)
-





- High quality video & audio
- Social broadcasting feature
- Excels at hosting large-scale events and town halls
- Irritating installation
- Pricing starts at \$10/month/host
- No Free version for hosting



# Meeting Owl

- Audio/Video for meetings
- 360° camera – focuses on speaker
- 8 omnidirectional microphones
- No software installs
- Works with leading web-based video conferencing solutions
- \$799
- [www.owllabs.com](http://www.owllabs.com)

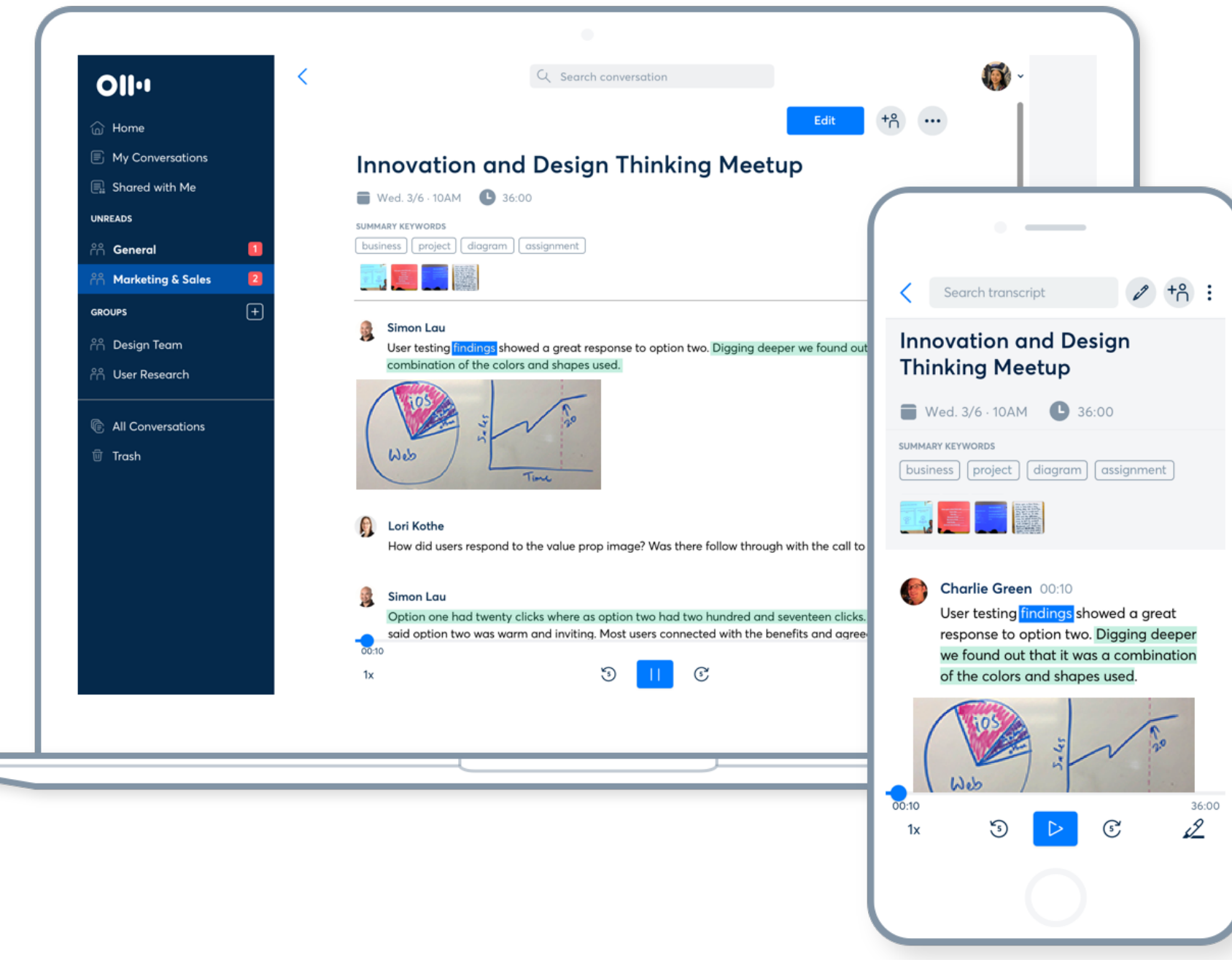


# Slido

- Audience engagement integration tool
- Integrates with all popular platforms
- Facilitates
  - Q&A
  - Polls
  - Voting
  - Quizzes
- [www.sli.do](http://www.sli.do)
- Free version available

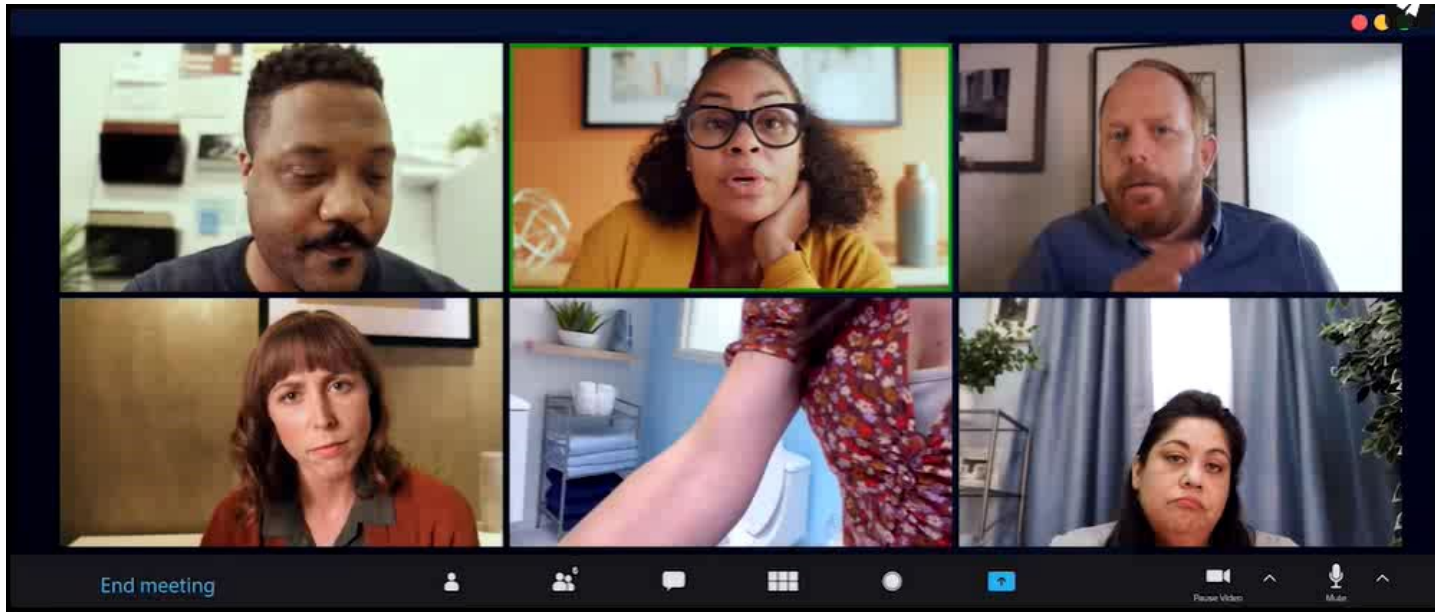






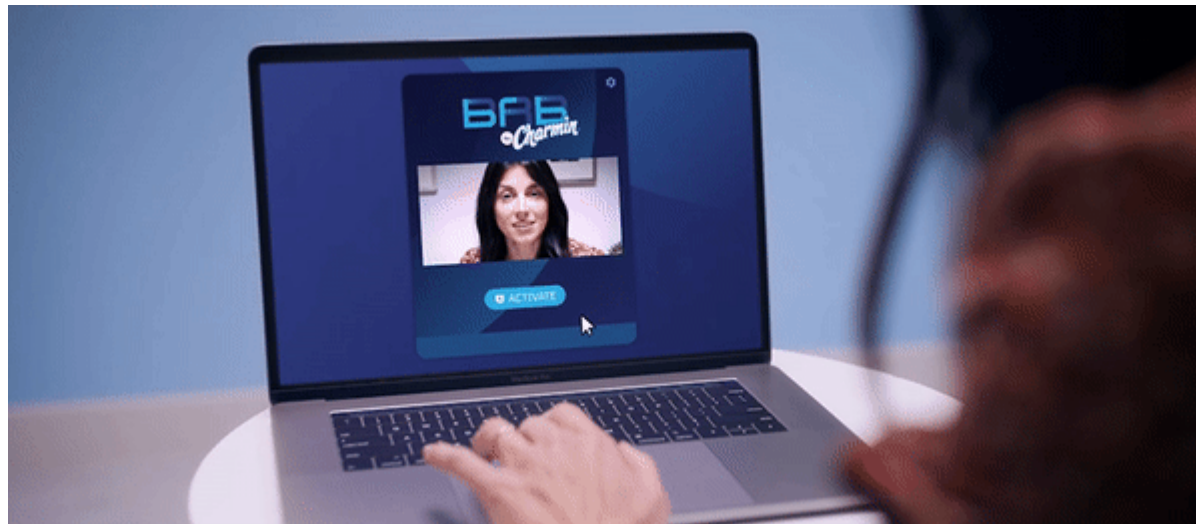
# Otter.ai

- Record conversations
- Real-time streaming transcripts
- Share voice notes
- Integrates with Zoom, Google Meet
- Free version
- Otter.ai



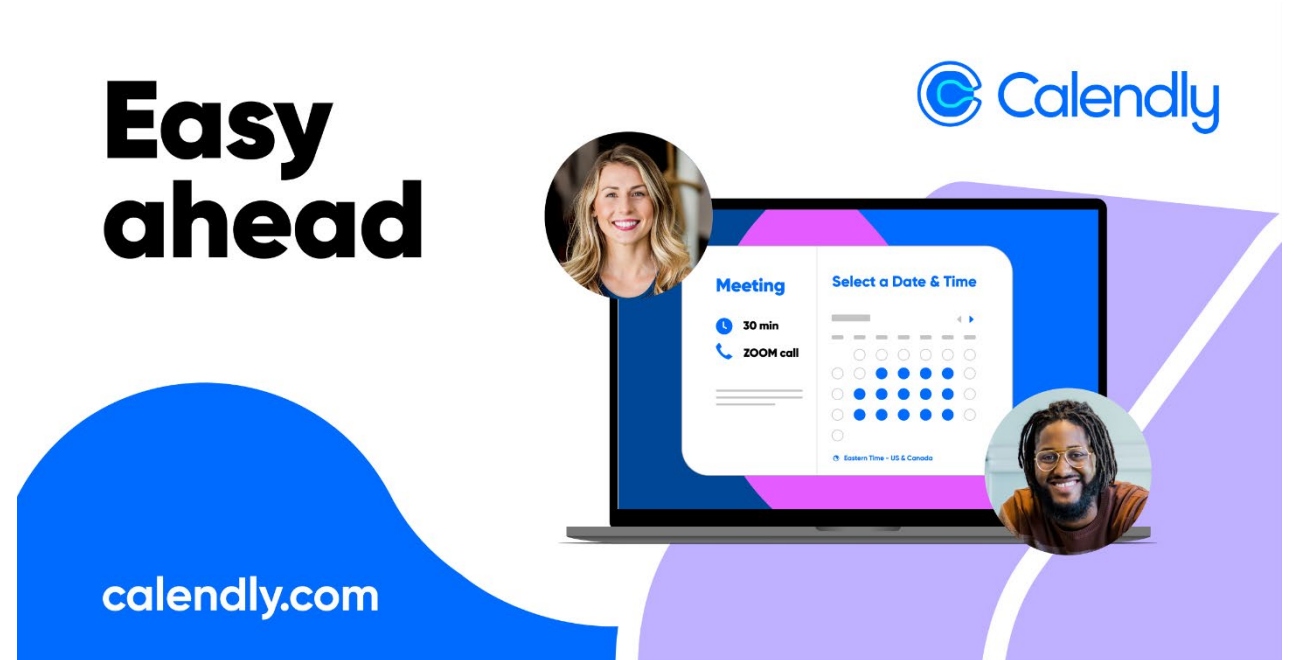
# BRB Bot

- Charmin-developed app (beta)
- Provides AI-version of yourself on Zoom calls
- Useful for bathroom or other breaks
- AI looks/responds just like you
- No word on actual release date
- Charmin.com



# Calendly

- Smart scheduling automation
- Automate scheduling with availability across multiple calendars
- Automatic reminders
- Integrates with Zoom, Teams, etc.
- Free & paid versions
- Calendly.com







Privacy &  
Security Are  
Essential





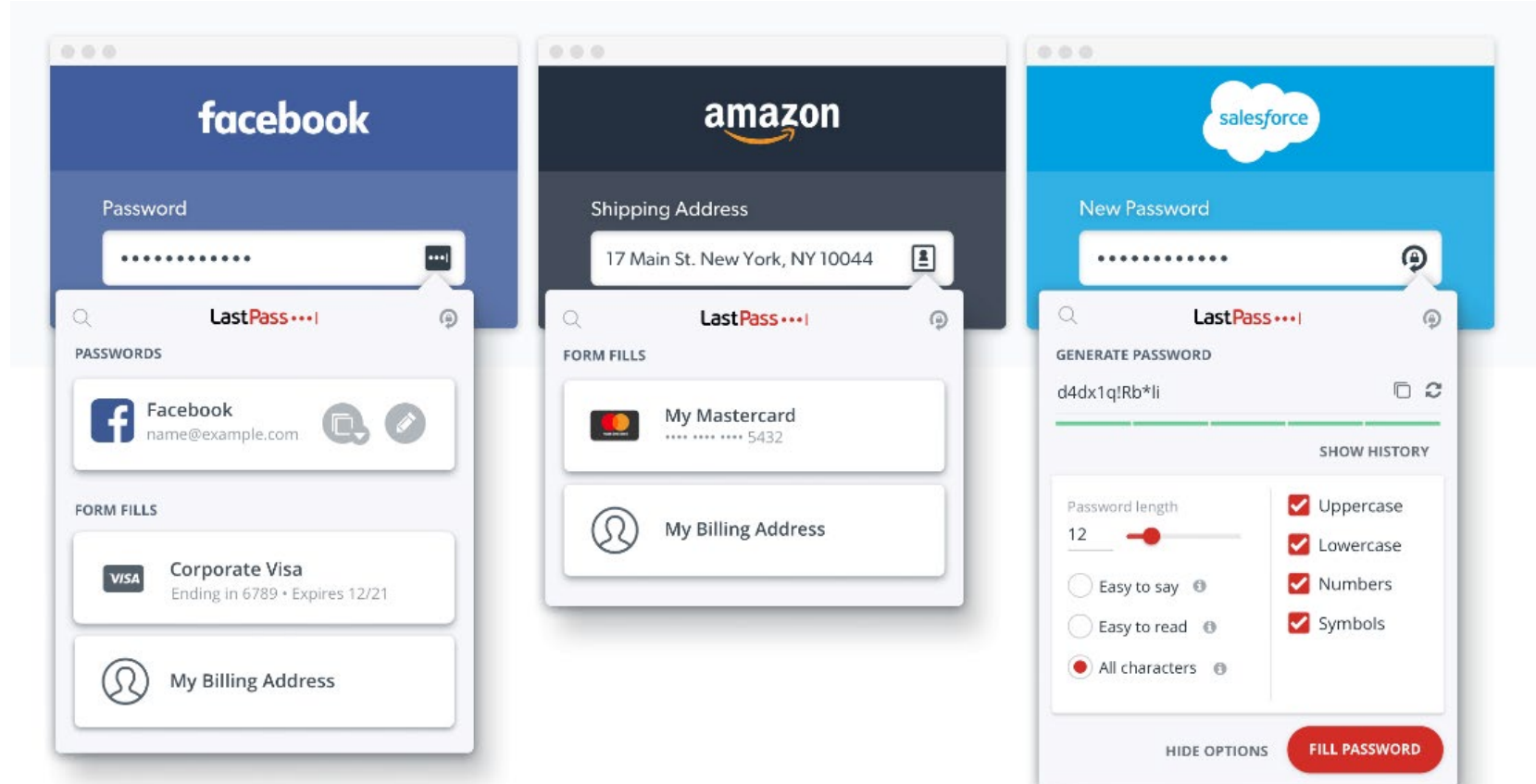
## Security Concerns

- As business migrates to the cloud, phishing and credential theft have risen as attack mode
- 94% of malware infections delivered via e-mail
- Users are much more susceptible to social attacks when using mobile devices

# LastPass Premium

- Password manager
- Keep all online account info in one place
- Local-only encryption
- Two-factor authentication
- Sync across all devices
- \$36.00/year
- [www.lastpass.com](http://www.lastpass.com)
- Other top solutions
  - Dashlane
  - LogMeOnce
  - Keeper

LastPass...|







Tech Makes  
Work-Life  
Balance Possible

# Drinkworks Home Bar

- Keurig Dr. Pepper & Anheuser-Busch joint venture
- Bar quality drinks in your home
- Prepare cocktails, beers & ciders
- Drink pods
- [www.drinkworks.com](http://www.drinkworks.com)
- \$299



# A Modo Mio Voicy

- World's first Alexa-enabled coffee maker
- Makes coffee on voice command
- "Alexa, make me a cappuccino"
- Lavazza.it
- \$339

# VOICY

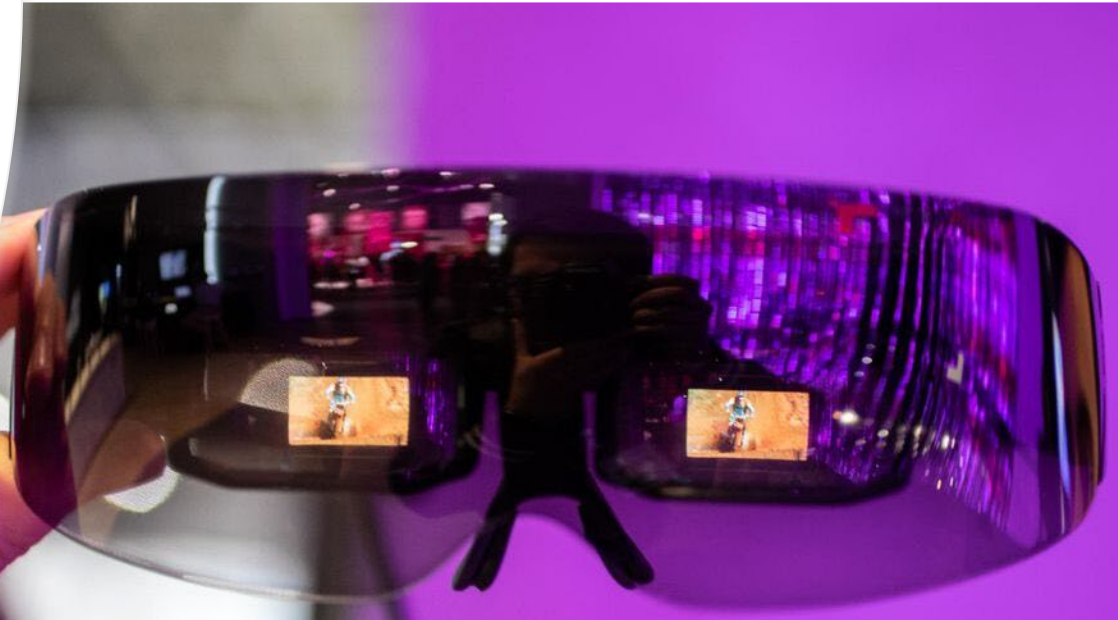
## THE FIRST COFFEE MACHINE WITH ALEXA BUILT IN





# TCL NXTWEARG

- Smart glasses
- Projects 140-inch screen in front of eyes
- Privacy and transparency
- Less than 5 ounces
- Compatible with any device with USB-C connection
- Coming soon to U.S.
- TCL.com
- \$590



# Rocketbook Beacons

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- Convert white board into a smart board
- Reusable adhesive beacons
- Place beacons in corners of white board
- Apps converts photo of white board
- Livestream presentation
- \$15/set
- [getrocketbook.com](http://getrocketbook.com)



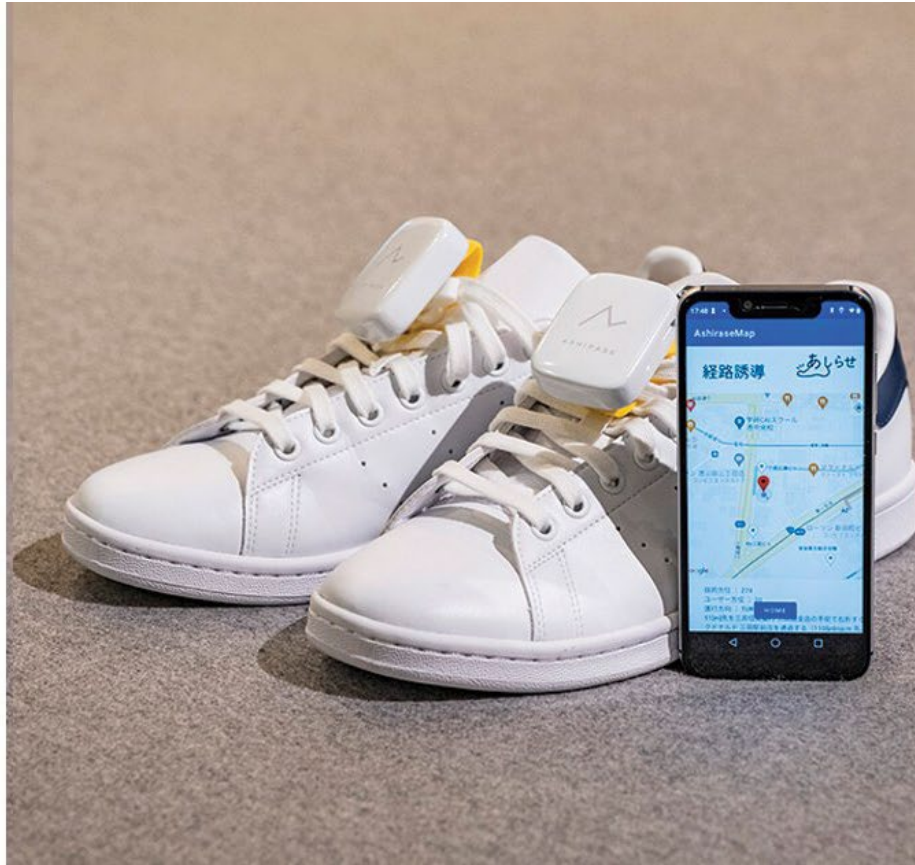
# Lexilens

- Reading glasses for dyslexics
- Designed for kids
- No training required
- Compatible with prescription lenses
- Two-day battery
- [www.abeye.tech/lexilens](http://www.abeye.tech/lexilens)



(c) ABEYE 2019

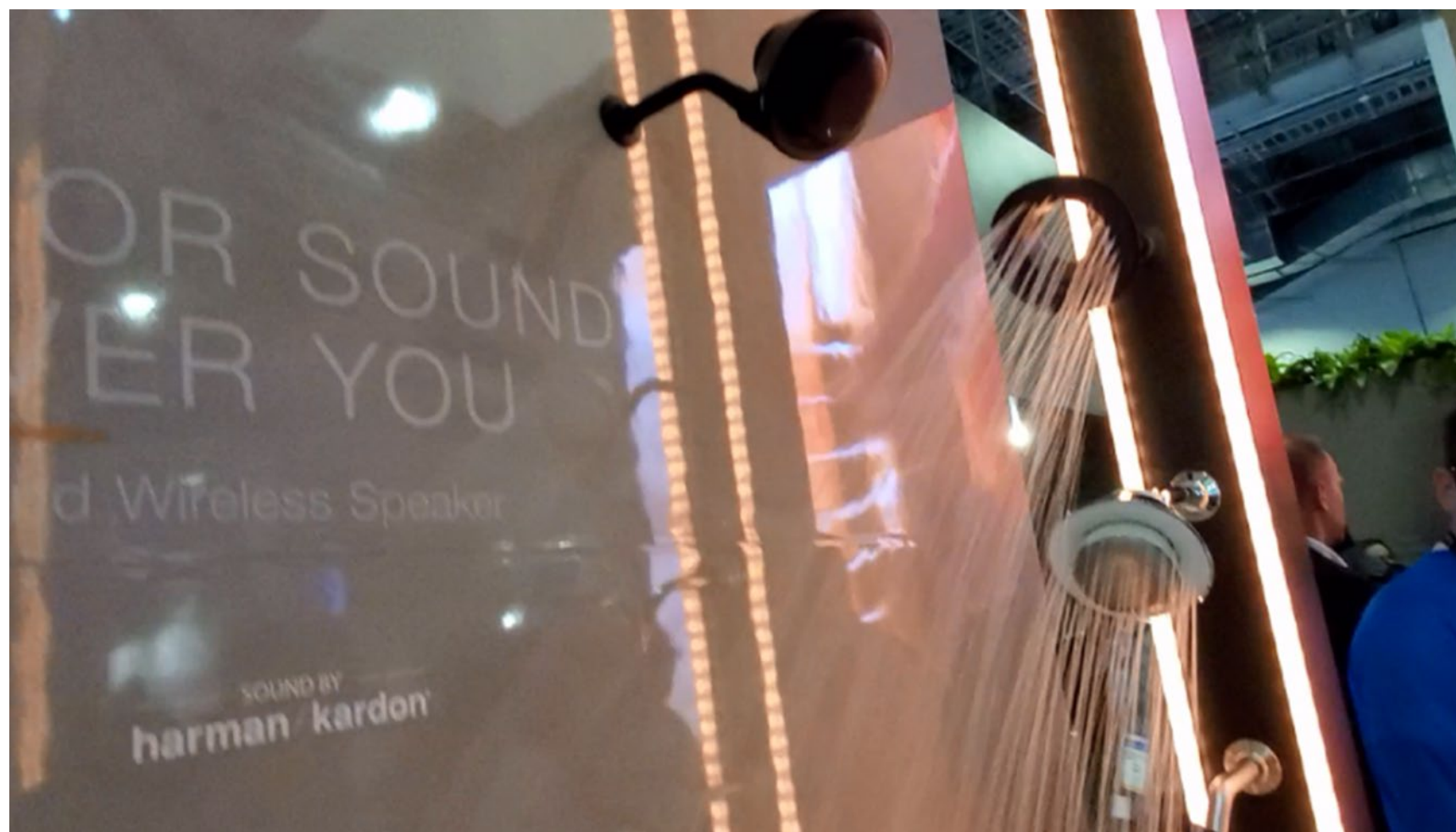




- In-shoe navigation system
- For visually impaired walkers
- Users feel directions via in-shoe vibrations
- Japanese startup via Honda business incubation program
- Available in 2022
- [Ashirase.com](https://ashirase.com)

Ashirase

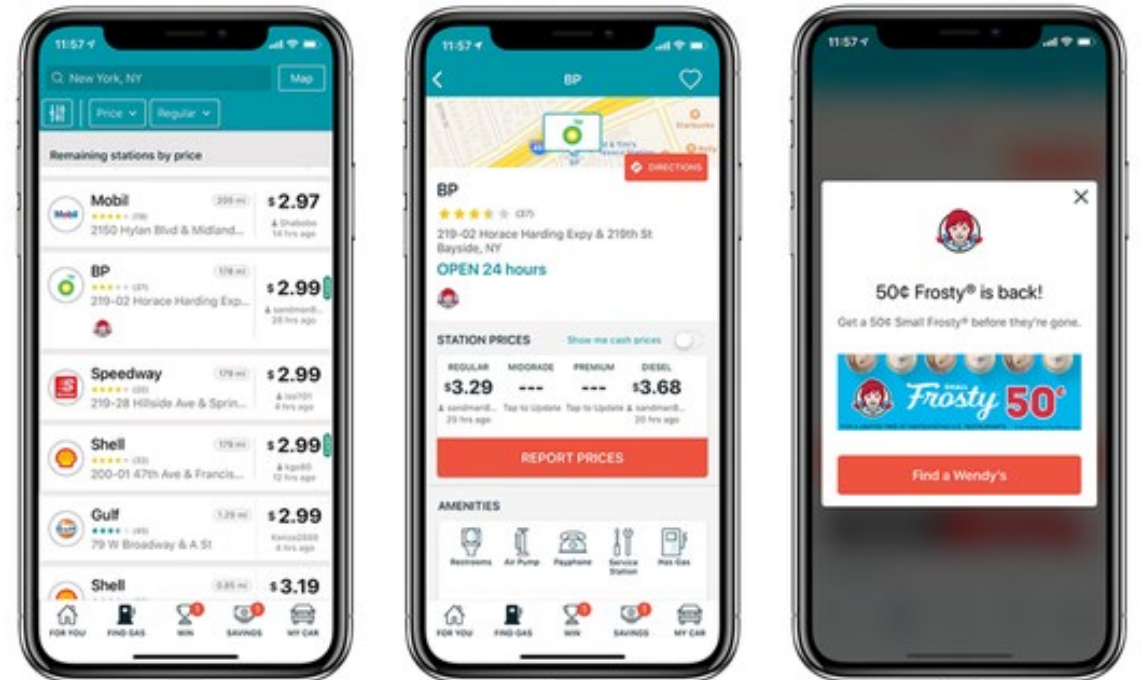
# Moxie Voice by Kohler Konnect



- Smart showerhead speaker
- Voice assistant
- Water by Kohler
- Sound by Harman Kardon
- [www.smarthome.kohler.com](http://www.smarthome.kohler.com)

# GasBuddy

- Mobile app to source nearby fuel prices
- Sort by price, location, cost
- Track driving habits
- Crowdsources gas prices in Waze-type system
- Optional gas card to get additional savings
- Gasbuddy.com







## Surf FM

- Waterproof boombox
- Floats in the water
- Speakers stay above water
- Bluetooth
- Built-in mic to talk on phone
- \$69.99
- [www.ionaudio.com](http://www.ionaudio.com)

# Tiki Sounds Pair

- Bluetooth speaker / lantern
- 360-degree sound
- Link multiple units
- Rechargeable battery
- Recharge via solar or AC power
- Rain resistant
- \$109.99
- \$[www.ionaudio.com](http://www.ionaudio.com)







# Manta 5 Hydrofoil Bike

- Enjoy biking experience on water
- Top speed up to 12 mph
- Variable electric assist
- Self-leveling
- Works in salt water
- [manta5.com](http://manta5.com)
- \$7,490



# Roku Smart Soundbar

- Connects to TV via HDMI
- Stream audio via Bluetooth & Roku player
- Voice control remote
- Expand with wireless speakers for surround sound system
- \$179.99
- [www.roku.com](http://www.roku.com)



# Panasonic Yoga Synchro Visualizer





A photograph of a white Apple iMac monitor sitting on a white Kensington WellView monitor stand. The stand is a rectangular box with a white top surface and a light blue base. A white computer keyboard and a white mouse are on the desk in front of the stand. To the right of the stand is a white rectangular device, likely a fan or heater. The background is a blurred office setting with a window.

## Kensington WellView Monitor Stand

- Monitor stand with benefits
- Ergonomic placement of monitor
- Promotes healthy posture
- Interchangeable fan, heater & air purifier
- \$59.99
- [www.Kensington.com](http://www.Kensington.com)



# Smacircle S1 Bike

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- World's smallest & lightest e-bike
- Foldable
- Fits in backpack
- Up to 20 mph
- 13-mile range
- 19 lbs
- \$1,399
- [us.smacircle.com](https://us.smacircle.com)







EXIT

LOGICFORCE

OUTGOING

LOGICFORCE



# The Bill & Phil Show

## Thank You

Bill Ramsey  
[ramseywt@nealharwell.com](mailto:ramseywt@nealharwell.com)

Phillip Hampton  
[phampton@pchplus.com](mailto:phampton@pchplus.com)

