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
New Old Games
Old School Farming With New Tech
New "Old" Toys
Technology S-Curve

The S-Curve is a graphical representation of the technology performance or technological maturity over time. It typically consists of four stages:

1. **Embryonic Stage**: Initial development phase where the technology is not widely adopted and efforts are focused on research and development.
2. **Growth Stage**: The technology starts to gain traction and adoption increases rapidly. Effort expended grows significantly.
3. **Mature Stage**: The technology is widely adopted and matured. Effort expended plateaus as the technology stabilizes.
4. **Aging Stage**: Product life cycle begins to decline as the technology becomes obsolete and is replaced by newer technologies.
Technology S-Curve (In Layman's Terms)
Tech Life Cycles 1970-Current

1960's & 1970s: Mainframe Computers
1980s: Personal Computers
1990s: Web/Internet
2000s: Smartphones & Cloud
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
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
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

- 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
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
HP Elite Dragonfly G2 / Max

- 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
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
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
Logictech Combo Touch

- Keyboard for iPad with trackpad
- Backlit keys
- iOS shortcut keys
- Any angle kickstand
- Starts at $149
- 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
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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
• 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 ****
- Bose Soundsport Free ***
- Samsung Galaxy Buds 2/Pro ****
- 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
Cloud Adoption Is Trendy for Law Firms
What About The Cloud?

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

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)

• "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
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

slack
Relativity
Office 365
Dropbox
Gmail
netdocuments
Evernote
MyCase
salesforce
rocket matter
Clio
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\textsuperscript{nd} monitor screen
Our “Studio”

Ring Light  Green Screen  Yeti Microphone
Using Virtual Backgrounds
Video Conference Etiquette

• 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
• 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)
• 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
Slido

• Audience engagement integration tool
• Integrates with all popular platforms
• Facilitates
  • Q&A
  • Polls
  • Voting
  • Quizzes
• 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
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
• Other top solutions
  • Dashlane
  • LogMeOnce
  • Keeper
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
- $299
A Modo Mio Voicy

- World’s first Alexa-enable coffee maker
- Makes coffee on voice command
- “Alexa, make me a cappuccino”
- Lavazza.it
- $339
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

- Convert white board into a smart board
- Reusable adhesive beacons
- Place beacons in corners of white board
- Apps convert photo of white board
- Livestream presentation
- $15/set
- getrocketbook.com
Lexilens

- Reading glasses for dyslexics
- Designed for kids
- No training required
- Compatible with prescription lenses
- Two-day battery
- www.abeye.tech/lexilens
Ashirase

• 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
Moxie Voice by Kohler Konnect

- Smart showerhead speaker
- Voice assistant
- Water by Kohler
- Sound by Harman Kardon
- 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
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
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
- $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
Panasonic Yoga Synchro Visualizer
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
Smacircle S1 Bike

- World's smallest & lightest e-bike
- Foldable
- Fits in backpack
- Up to 20 mph
- 13-mile range
- 19 lbs
- $1,399
- us.smacircle.com
Thank You

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