Because everyone should be able to use technologies

Gregg Vanderheiden Ph.D.
Trace R&D Center, iSchool
University of Maryland

Introduce a new tool for the field

First - introduce it's 3 major functions or capabilities

Then - talk about how these functions/capabilities can be used individually and together
- to address a wide range of problems/needs of
  - people with disabilities
  - and those who just are have trouble using computers

In the process - highlight what we believe is a major new problem
- an induced disability - that we are creating with our increased reliance on computers

During the discussion afterward

We will be asking you:

• What are the biggest challenges you see in using computers?
• How might Morphic apply to your situation?
• Which parts/capabilities would be helpful?
• How could it be better for you – or those you work with?
Morphic - Is a new open-source extension to Mac and Windows Operating Systems

1. ALWAYS AND EVERYWHERE ACCESSIBILITY
   - Allows people’s accessibility settings – and even their assistive technologies – to follow them, appearing on computers they encounter and need to use (and disappearing when they leave).

2. EASIER DISCOVERY AND USE OF ACCESSIBILITY FEATURES
   - Users can much more easily discover and use built-in accessibility features.

3. ULTRA SIMPLE ACCESS
   - Allows people to create ULTRA simple 1-click experiences for people who can’t use computers today.

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“Instant” setup of computers and AT
- Interns
- New employees
- Crashed Computers
- Testing and evaluations sites

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Morphic saved my internship.
At my first internship, it took 3 weeks to get a computer set up with the AT I need. By then I was way behind my peers.

This time – with Morphic – it took 9 minutes. Done before I got back from the orientation talk.
For the first time I took the test with AT like mine.

Morphic captured my AT and settings and then made the secure test computer work the same as my own!

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Access to Shared Computers

- Schools, libraries, companies with hoteling
- Rural, Reservations, low resource communities
- And, with COVID-19, even Homes with <1 computer per person

"I used to use the computer for email, and picture sharing, and even had a Facebook group with my friends.

"But then one day I overheard the kids in the other room say "Aw the computer is all messed up for gramma again."

"So I figured... I have had my time. This is their time. So I quit using the computer."

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Finally, I can use the computer at any library.

Before, only the computer in the resource room had AT. Morphic now put the AT onto any computer I want to use.

Now, my AT follows me to each loaner I get.

Morphic instantly installs my AT and settings on each computer the college loans me.

Different Setups during the day

Changing abilities
Focus
My abilities change during the day, so I need a computer that adapts.

Morphic lets me instantly change to the setups that match my needs at different times of day.

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Everything on the computer distracted me – email social media, calls, texts. I was constantly pulled away by one thing or another.

Morphic lets me instantly turn it all off – and then back on when I am done or need a break.

Low Digital Affinity
Digital Affinity

TQ ≠ IQ

People blazingly brighter -- who can't use their technology... ...but I can

Not Digital illiteracy either

Digital Literacy -- is a skill
Digital Affinity - is a Talent

- Like singing
- Or athletics
- Or artists

Some are naturals
Some are OK
Some just can't do it at all

What comes naturally to us techies...

- Is hard for others --
- and out of reach for still others
- And what about the last 5% (that's 1 in 20)

- Low digital affinity more prevalent than expected
  - "I can use this one because I could yesterday"
  - "How do I find my resume"
  - Reverting to marker and red pen
  - "I am afraid I will break it"
Making computers easier to use.

- Discover accessibility and usability features in your computer
- Have the features you need at your fingertips
- Set up 1-click operation for seniors and others.
People who just can’t understand/use computers – but they need to

Elders – isolated at home (COVID-19 and before/after)
Employees who struggle quietly
Superstitious users: ‘like I did it before’ - then something changes

Simplification Strategies

1. Ultra-simple 1-click environment
2. Limited, but custom set of action & link buttons
3. Buttons never disappear or change on the user

I like the idea of learning how to use a computer, but I have old eyes, and they make the text on screen too small for me.

I don’t have a disability and don’t want any special stuff. I just want a computer that I can understand – and can see.

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New capabilities for AT recommendation and delivery

1. Evaluators have ALL AT available to them
   - not just one or a few ... not just old ones they have or were given ... but also newest
   - and can have many pre-programmed setups for different types of clients
   - (Possibly also mainstream accessible tech?)

2. Users can try out new AT without risk
   - Users can try out AT without risk and pay for it only if it works

3. Supports innovation.
   - New players can get into market and be everywhere instantly
   - Compete based on value – rather than network or being ‘old standby’.

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Vocational evals are so much easier and accurate now.

Morphic lets me test clients with the best setup for them and move any settings or AT I recommend back to their computer too.

In summary Morphic will be able to:

1. Expose features hidden in devices — so they are known and used by those who need them — by using a layered approach that brings the tips to the surface with links to the rest.
2. Make commonly used features (or even programs) be faster to get to — or always shown
3. Allow a person’s settings to follow them across devices and platforms
4. Allow a person’s assistive technologies to appear on any computer they need to use at school, library, work — anywhere
5. Allow a person to instantly change between set-ups — as they tire — or for different tasks — or to focus now and play later
6. Allow a person to have new computer set up instantly — at new internship, new job, after computer dies and is replaced, etc.

Morphic is the ONLY way to do these two things
Morphic Release Timeline
Current ESTIMATED timeline 09 December 2020

- Morphic Basic
  - Dec
- Morphic Plus
  - Jan
- Morphic Enterprise
  - Feb

Morphic Community - Collaborating to develop the Morphic concept

Building a Morphic Community

1. Anchored by Raising the Floor – a non-profit organization who will act as host.
2. Privacy overseen by RTF and an independent international “Privacy and Data Ethics Council” composed of Privacy experts and advocates.
3. Users - (who use Morphic for themselves or for others)
4. Developers and thought leaders – who help to improve Morphic and guide its development and use.

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Accessible Technology Webinar Series
Morphic - Making computers easier to use
December 10, 2020
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Questions & Archive

The webinar today was recorded and will be archived at www.ada-accessibletech.org

Learn more and register at www.ada-accessibletech.org

NEXT WEBINAR:
Artificial Intelligence (AI)
Fairness for Persons with Disabilities in Workplace Technologies
JANUARY 21, 2021 AT 2:00 PM ET

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