

Assistive Technology (AT) and Web-based Environments

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Quality Control Accessibility Analyst

How People with Disabilities Use the Web



Auditory

Cognitive and Neurological

Physical

Speech

Visual

Speech-to-Text

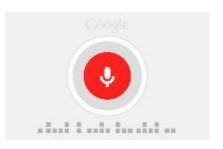


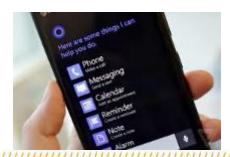
Siri (Apple)

Google Now (Google)

Cortana (Microsoft)







TTS and STT Combination



amazon echo

Always ready, connected, and fast. Just ask.



Text-to-Speech



- JAWS
- NVDA
- VoiceOver (Mac)
- VoiceOver (iOS)
- TalkBack for Android
- Window-Eyes









Refreshable Braille Displays



Refreshable Braille Displays



Optical Character Recognition



Open Book

Kurzweil 1000

Text Cloner Pro







Screen Magnification Programs



- MAGic
- ZoomText
- Windows Magnifier
- Mac Zoom
- Zoom and Magnifier (iOS & Android)









Speech Recognition Software





Turn spoken words into text

Connect with the timing of your thoughts

Dictation speed 70 to 100 words per minute

Video of Student Using Speech-to-Text Technology

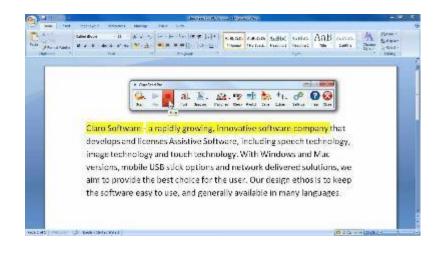


Video of Student integrating speech-to-text solutions into her personal life and educational pursuits.



ClaroRead





Text-to-Speech
Visual Highlighting
Read back any on-screen
text and program
commands
High Quality Screen Reader
Keyboard Echo
Save to Audio

Premier Literacy Suite





Text-to-Speech software

Post writing to "cloud applications"

Scan and read documents

Integrated Dictionary Create study notes

Perspective Videos: W3C-WAI, Part 1



Perspectives Videos



Keyboard Compatibility



Clear Layout and Design



Large Links, Buttons, and Controls



Customizable Text



Understandable Content



Colors with Good Contrast



Text to Speech



Video Captions



Voice Recognition



Notifications and Feedback

Screen Reader Demonstration



- Title Page
- Links
- Headings
- Graphics
- Multimedia
- Tables
- Keyboard Access
- Low Vision



Questions?, Part 2