

Advancing Accessibility with Mobile

How Natural User Interfaces Make Life Easier for All Ages and Abilities

Resource guide for ALA workshop, January 14, 2016, Nicole Hennig

Books

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Articles

Understanding disabilities

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Touchscreens and haptic technologies

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[app-now-instantly-translates-printed-text-in-27-languages/](#) (accessed November 4, 2015).

Mobile accessibility features

iOS

Apple's Accessibility site. <https://www.apple.com/accessibility/ios/>.

Apple. iOS Accessibility Tips. <https://www.apple.com/ios/accessibility-tips/>.

Apple VIS: A community-powered website for blind and low-vision users of Apple's range of Mac computers, the iPhone, iPad, iPod Touch, Apple TV and Apple Watch. <http://www.applevis.com>.

Android

Android Accessibility Settings. <https://www.androidpit.com/android-accessibility-settings> and <https://support.google.com/accessibility/android/answer/6006564>.

Android Accessibility Help Center. <https://support.google.com/accessibility/android/>.

Android Developer's guide. <https://developer.android.com/guide/topics/ui/accessibility/index.html>.

Success stories

Stories of success are from the site *Bridging Apps*: <http://bridgingapps.org>

1. Susan's success story:
<http://bridgingapps.org/2015/08/susans-success-story/>
App: ProloQuo2Go, <http://www.assistiveware.com/product/proloquo2go>
2. Colin's success story:
<http://bridgingapps.org/2015/06/colins-success-story/>
App: Write My Name, <https://itunes.apple.com/us/app/write-my-name/id500623496?mt=8>
3. Todd's success story:
<http://bridgingapps.org/2014/09/todds-success-story/>
4. Connor's success story:
<http://bridgingapps.org/2014/01/connors-success-story/>
Bookshare service: <https://www.bookshare.org> & Read2Go app:
<https://www.bookshare.org/cms/help-center/reading-tools/read2go>

Bridging Apps also has a useful search engine for discovering apps for special needs:

<https://insignio.bridgingapps.org/lists>

Apps & devices

Touch

3D Brain – Human Anatomy. Android & iOS. <http://www.g2conline.org>

[Complete Anatomy, iOS. http://completeanatomy.3d4medical.com](http://completeanatomy.3d4medical.com)

Apple Watch notifications. <http://www.macrumors.com/how-to/set-up-apple-watch-notifications/>

Apple Watch 101. A live demo of getting walking directions from The Watch and Apple Maps. <http://www.applevis.com/podcast/episodes/apple-watch-101-live-demonstration-getting-walking-directions-watch-and-apple-maps>

“My ears, my eyes, my Apple Watch.” <http://www.mollywatt.com/blog/entry/my-ears-my-eyes-my-apple-watch>

Sound

Merriam-Webster Dictionary – speech recognition. Android & iOS. <http://www.merriam-webster.com>

Pedlar Lady of Gushing Cross – reading aloud. iOS. <http://moving-tales.com/the-pedlar-lady-of-cushing-cross/>

Capti Narrator – reading aloud. iOS, Mac & Windows. <https://www.captivoice.com/capti-site/>

Sendero GPS Lookaround – audio wayfinding for the blind. iOS. <http://www.senderogroup.com/products/shopiphone.htm>. Android: <https://www.senderogroup.com/products/shopandroid.htm>

Blindsquare – audio wayfinding for the blind. iOS. <http://blindsquare.com>

Amazon Echo – conversational interface. <http://www.amazon.com/Amazon-SK705DI-Echo/dp/B00X4WHP5E>

ReSound LiNX2 Smart Aid – smart hearing aid. <http://www.resound.com/en-US/hearing-aids/resound-linx2#.VpFOrMATUyY>

The Dash - smart hearing. <https://store.bragi.com>

Sight

Google Translate – camera for language translation. Android & iOS.
<https://googleblog.blogspot.com/2015/07/see-world-in-your-language-with-google.html>

Leafsnap – camera for tree identification. iOS. <http://leafsnap.com>

LookTel Money Reader – camera for currency recognition. iOS.
<http://www.looktel.com>

KNFB Reader – camera for currency recognition. Android & iOS.
<http://www.knfbreader.com>

Aipoly – camera for recognizing objects around you. iOS. <http://aipoly.com>

Scanbot – camera as scanner. Android & iOS. <https://scanbot.io/en/index.html>

Elements 4D – augmented reality for chemistry. Android & iOS.
<http://elements4d.daqri.com>

Anatomy 4D – augmented reality for human anatomy. Android & iOS.
<https://play.google.com/store/apps/details?id=com.daqri.d4DAnatomy&hl=en> or
<https://itunes.apple.com/us/app/anatomy-4d/id555741707?mt=8>.

Newsletters

To stay current with the best apps for educational use, sign up for my free newsletter, *Mobile Apps News*. <http://nicolehennig.com/mobile-apps-news/>

I cover the best new apps for use in educational settings, offer links to real-world examples of creative use, and thought-provoking articles about emerging technologies. From time-to-time I offer discounts on my books and courses. When you sign up you'll get a free PDF copy of my guide, "10 Tips for Finding the Best Apps."

Online courses

Self-study courses for learning accessibility feature of iOS and Android

These two self-paced courses are recommended if you would like to learn the specific accessibility features of iOS or Android. They were created by Sami Rahman, the CEO of SmartEdTech, a company that develops software for children with disabilities. Mr. Rahman has certification in an Assistive Technology Applications Program offered by California State University.

If you enjoy learning by watching video demos, these courses are recommended. *Accessibility feature of the iPad*. Online course. Udemy.
<https://www.udemy.com/accessibility-features-of-ios-for-the-ipad-and-iphone/learn/>.

Accessibility feature of Android. Online course. Udemy.
<https://www.udemy.com/accessibility-features-on-android/learn/>.

Apps for Librarians: Empower Your Users with Mobile App Literacy,
<http://nicolehennig.com/librarian-app-experts/>.

A five-week online course designed to help you become an app-expert for your community. It covers a wide variety of mobile apps in the areas of e-reading, productivity & writing, reference, multimedia, accessibility, and more. It includes video screencasts of apps, interesting readings, group discussion forums, and optional weekly live chat sessions. Assignments include and weekly app reviews that you share with classmates for discussion. Many librarians and educators have gone on to offer their own workshops and guides for their communities after taking this course.