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


Articles

Understanding disabilities


Touchscreens and haptic technologies


Speech recognition & conversational interfaces


Camera input


Mobile accessibility features

iOS


Android


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/

2. Colin’s success story:
http://bridgingapps.org/2015/06/colins-success-story/

3. Todd’s 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


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

**Sound**


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

Sendero GPS Lookaround – audio wayfinding for the blind. iOS.  
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

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

Sight


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

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


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


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


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.


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.