Leaning Into the Future
Nicole Hennig, NEFLIN 2017 Technology Conference

This presentation is based on ideas in my book:

**Emerging technologies librarians**

http://ischool.sjsu.edu/sites/default/files/content_pdf/career_trends.pdf (slide 28)

http://library.ifla.org/id/eprint/134

Rethinking the roles and skills of librarians — in the section called “Difficult Challenges.”

**Fear of new technologies**

*Digital is Destroying Everything* - Andrew V. Edwards
http://www.digitalisdestroyingeverything.com/

“Robots will destroy our jobs and we’re not ready for it” - Dan Shewan

“The State of AI” - Ed Newton-Rex
https://medium.com/on-coding/the-state-of-ai-9aae385c2038

“Here’s how managers can be replaced by software” - Devin Fidler
https://hbr.org/2015/04/heres-how-managers-can-be-replaced-by-software

“Don’t Touch That Dial!, A History of Media Technology Scares, from the Printing Press to Facebook” - Vaughan Bell

Pessimists Archive podcast
http://pessimists.co/
Episode 1: The Walkman
https://soundcloud.com/pessimistsarc/the-walkman

“Future technology: a force for good, or a source of fear?” - Colin Williams
Your tech personality - Visionaries & Implementers

Quiz: What’s Your Tech Personality?
I created this quiz both for fun and to help think about the concept.
4 possible answers: Optimistic Visionary, Rational Visionary, Thoughtful Implementer, Cautious Implementer.

Methods & tools

“Skimming and Scanning: Two Important Strategies for Speeding Up Your Reading” - Abby Marks Beale
http://www.howtolearn.com/2013/02/skimming-and-scanning-two-important-strategies-for-speeding-up-your-reading/

Spark - iOS email app
https://sparkmailapp.com/

TypeApp - Android email app

Pocket - read later app (iOS or Android)
https://getpocket.com

Types of sources to follow

Email newsletters

The Exponential View
https://www.getrevue.co/profile/azeem

Bryan Alexander: Future Trends in Technology & Education

Blogs & Facebook pages

Feedly - app for reading blog feeds
https://feedly.com

MindShift on Facebook
https://www.facebook.com/MindShift.KQED/

Long-form writing

http://medium.com

Discussion groups

Mobile Devices - Google+
https://plus.google.com/u/0/communities/112915392661745517235

iPad Ed - Google +
https://plus.google.com/communities/117488594814613383470
LibUX - Facebook
https://www.facebook.com/groups/libux/

Makerspaces and the Participatory Library - Facebook
https://www.facebook.com/groups/librarymaker/

Visual sources

Internet of Things - Pinterest

Library Design Showcase - Pinterest
https://www.pinterest.com/amlibraries/library-design-showcase-2012/

Internet Trends Report by Mary Meeker - Slideshare
https://www.slideshare.net/kleinerperkins

Pew Research Center’s Internet & American Life Project - Slideshare
https://www.slideshare.net/PewInternet

People and organizations on social media

Tech Women 2 Follow - Twitter list
https://twitter.com/anitaborg_org/lists/tech-women-2-follow

Conference hashtag example
https://twitter.com/hashtag/SXSWedu?src=hash

Tweetdeck - app for managing Twitter
https://tweetdeck.twitter.com/

Nuzzel - service for keeping up with Twitter
http://nuzzel.com/

Videos

Talks at Google - technology playlist
https://www.youtube.com/watch?v=4E0iPXW9jwc&list=PLGGpadyh0wS7XnpWK8ofxWhL7F72KcDRj

Conference presentations on YouTube: SXSW Interactive
https://www.youtube.com/channel/UC2YKXCQ8wt1RFpQEELw1LCQ

Lectures and readings from MOOCs:

Educational Technology - Georgia Tech
https://www.udacity.com/course/educational-technology--ud915

u.Lab: leading from the Emerging Future - MIT
https://www.edx.org/course/u-lab-leading-emerging-future-mitx-15-671-1x#

Design Thinking for Innovation - Univ. of Virginia
https://www.coursera.org/learn/uva-darden-design-thinking-innovation
Courses from publishers: Lynda.com.

Design Thinking: Understanding the Process

Foundations of UX: Accessibility
https://www.lynda.com/Accessibility-training-tutorials/1286-0.html

Podcast examples

Note to Self - WNYC
http://www.wnyc.org/shows/notetoself/

Too Embarrassed to Ask - Recode
https://www.recode.net/too-embarrassed-to-ask-podcast

Best Podcasts: Technology & Society - Nicole Hennig (ebook)
http://amzn.to/2nCUVRK

Conference examples

Outside the library profession:
- GEL: Good Experience Live - NYC
  http://creativegood.com/gel/
- SXSW Interactive - Austin, Texas
  https://www.sxsw.com/conference/

Inside the library profession:
- Code4Lib - various cities
  https://code4lib.org/conference
- Internet Librarian - Monterey, CA

Virtual events

Library schools: SJSU: Library 2.0 event
http://www.library20.com/future

Regional associations: NEFLIN training
http://neflin.org/training/

Local events - examples

Meetup.com - Boston VR
http://www.meetup.com/Boston-Virtual-Reality/

"How ‘Unconferences’ Unleash Innovation Ideas” - Rebecca O. Bagley
**Trend-Spotting**

Follow communities of enthusiasts & read trend reports.

In person at meet-ups: Boston Augmented Reality/Mixed Reality
https://www.meetup.com/BostonAR/

Online: Technology projects - Kickstarter
https://www.kickstarter.com/discover/categories/technology

Online: Slack communities list
https://medium.com/@slackinday/an-ultimate-list-of-190-slack-communities-ee92a12a8df2

Trend reports:
- Mary Meeker - Internet Trends
- MIT Technology Review - 10 Breakthrough Technologies
- Trend reports - ALA Center for the Future of Libraries
  http://www.ala.org/transforminglibraries/future/trends

**Books**

Visit technology bookstores:
- Cambridge, MA - MIT Press Bookstore
  http://mitpressbookstore.mit.edu/
- Seattle, WA - Ada’s Technical Books and Cafe
  http://www.seattletechnicalbooks.com/

Listen to author interviews on podcasts

Apps that summarize books - Blinkist
https://www.blinkist.com/

Apps that summarize books - Hardbound
https://www.hardbound.co/

**Pop culture and science fiction**

“The Purpose of Science Fiction” - Robert Sawyer

TV show - Black Mirror
http://www.channel4.com/programmes/black-mirror/episode-guide/series-1

**Ethics of technologies**

Emerging Ethical Dilemmas - John J. Reilly Center
http://reilly.nd.edu/
Wearables (an example from this site)

Electronic Privacy Information Center - EPIC
https://epic.org/

**Attend webinars**

Webinars about new technologies - Nicole Hennig
http://nicolehennig.com/webinars/

**Curating info for others - example**

Nicole’s twitter feed
https://twitter.com/nic221

Mobile Apps News - Nicole’s newsletter
http://nicolehennig.com/mobile-apps-news/

**Automate the information coming to you**

Google alerts
https://www.google.com/alerts

IFTTT: If This, Then That
https://ifttt.com
https://ifttt.com/discover
https://ifttt.com/collections

**User Experience**

Definition of User Experience (UX)
https://uxpa.org/resources/definitions-user-experience-and-usability

*Understanding Your Users* - Kathy Baxter, et al.


*The User Experience Team of One* - Leah Buley
http://rosenfeldmedia.com/books/the-user-experience-team-of-one/

**Diversity**

ACRL Diversity standards
http://www.ala.org/acrl/standards/diversity

Model View Culture - free online journal on technology, culture, and diversity
https://modelviewculture.com/
No longer publishing new articles, but all the old ones are available and worth reading.

Accessibility

*Digital Outcasts: Moving Technology Forward without Leaving People Behind* - Kel Smith
http://digital-outcasts.com/

The Digital Divide

*Without a Net: Librarians Bridging the Digital Divide* - Jessamyn West
http://www.librarian.net/digitaldivide/

Letting ideas percolate

“The science of daydreaming” - Dartmouth Undergraduate Journal of Science
http://dujs.dartmouth.edu/2011/02/science-of-daydreaming/#.WQUP7YnyvdS

“Why do our best ideas come to us in the shower?” - Lucas Reilly

Trends vs fads

*The Inevitable* - Kevin Kelly
http://kk.org/books/the-inevitable/

Experiments

“Google Labs FAQ,” archived from the original in Wayback Machine

MIT Libraries betas page - archived from the original in Wayback Machine

Presenting and Persuading

*Influencer: the Power to Change Anything* - Kerry Paterson, 2007
https://www.amazon.com/Influencer-Science-Leading-Change-Business-ebook/dp/B00BPO7710/

Emerging technologies librarian - job description template

Included in my book: