

Leaning Into the Future

Nicole Hennig, NEFLIN 2017 Technology Conference

This presentation is based on ideas in my book:

Keeping Up with Emerging Technologies: Best Practices for Information Professionals.

Libraries Unlimited, July 2017.

<http://bit.ly/hennig-keeping-up>

Emerging technologies librarians

Jennifer M. Overaa, "Emerging Career Trends for Information Professionals: A Snapshot of Job Postings, Spring 2016," SJSU School of Information

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

Tara Radniecki, "Study on Emerging Technologies Librarians: How a New Library Position and Its Competencies are Evolving to Meet the Technology and Information Needs of Libraries and Their Patrons," Paper presented at: IFLA WLIC 2013 - Singapore - Future Libraries: Infinite Possibilities in Session 152 - Reference and Information Services

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

Rethinking the roles and skills of librarians — in the section called "Difficult Challenges." NMC Horizon Report, Library Edition, 2015, p.28-29

<http://cdn.nmc.org/media/2015-nmc-horizon-report-library-EN.pdf>

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

<https://www.theguardian.com/technology/2017/jan/11/robots-jobs-employees-artificial-intelligence>

"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

http://www.slate.com/articles/health_and_science/science/2010/02/dont_touch_that_dial.single.html.

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

<http://www.telegraph.co.uk/sponsored/education/festival-of-the-imagination/11890618/future-of-technology-and-humans.html>

Your tech personality - Visionaries & Implementers

Quiz: What's Your Tech Personality?

<http://bit.ly/hennig-quiz>

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

<https://play.google.com/store/apps/details?id=com.trtf.blue>

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

<https://bryanalexander.org/future-trends-in-technology-and-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

<https://www.pinterest.com/anujdwivedi89/internet-of-things/>

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=4E0iPXXW9jwc&list=PLGGpadyh0wS7XnpWK8ofxWhL7F72KcDRj>

Conference presentations on YouTube: SXSW Interactive

<https://www.youtube.com/channel/UC2YKXCQ8wt1RFpQEELwILCQ>

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

<https://www.lynda.com/Interaction-Design-tutorials/Design-Thinking-Understanding-Process/476938-2.html>

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
<http://internet-librarian.infotoday.com/2017/>

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

<https://www.forbes.com/sites/rebeccabagley/2014/08/18/how-unconferences-unleash-innovative-ideas/>

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
<http://www.kpcb.com/internet-trends>
- MIT Technology Review - 10 Breakthrough Technologies
<https://www.technologyreview.com/lists/technologies/2017/>
- 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
<http://freakonomics.com/podcast/future-probably-isnt-scary-think/>

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
http://www.slate.com/articles/technology/future_tense/2011/01/the_purpose_of_science_fiction.html

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)

<http://reilly.nd.edu/outreach/emerging-ethical-dilemmas-and-policy-issues-in-science-and-technology-2015/wearable-technology/>

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.

<https://www.amazon.com/Understanding-Your-Users-Second-Technologies/dp/0128002328/>

Nancy Fried Foster, *Studying Students: A Second Look*, Chicago: ACRL, 2013, and Nancy Fried Foster and Susan Gibbons, editors, *Studying Students: The Undergraduate Research Project at the University of Rochester*, Chicago: ACRL, 2007. http://www.ala.org/acrl/sites/ala.org.acrl/files/content/publications/booksanddigitalresources/digital/Foster-Gibbons_cmpd.pdf

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
<http://mentalfloss.com/article/52586/why-do-our-best-ideas-come-us-shower>

Trends vs fads

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

Experiments

"Google Labs FAQ," archived from the original in Wayback Machine
<https://web.archive.org/web/20110726095055/http://www.googlelabs.com/faq#whatis>

MIT Libraries betas page - archived from the original in Wayback Machine
<http://web.archive.org/web/20110129180413/http://libguides.mit.edu/betas>

Presenting and Persuading

Influencer : the Power to Change Anything - Kerry Paterson, 2007
2nd edition is called: *Influencer: The New Science of Leading Change*, 2013
<https://www.amazon.com/Influencer-Science-Leading-Change-Business-ebook/dp/B00BPO7710/>

Emerging technologies librarian - job description template

Included in my book:
Keeping Up with Emerging Technologies: Best Practices for Information Professionals.
Libraries Unlimited, July 2017.
<http://bit.ly/hennig-keeping-up>