MOBILE LIBRARIES OF THE FUTURE: FROM DEVICE TO USER

Dr. Colleen McMillan, Assistant Professor, School of Social Work
Tony Tin, Director, Library and Information Services
ABOUT RENISON UNIVERSITY COLLEGE

• A federated college with U of Waterloo.
• Founded at 1959.
• Online and In-class enrollment: 1,000 students.
• Faculty/Staff: 104.
RENISON AT UW
WHY ADVOCATE MOBILE TECHNOLOGY AT RENISON?

- Accessibility of audience.
- Instant delivery and updates.
- Affordable/portable.
- Novelty of gadget/display.
- Supports those with special needs.
STARTING FROM SCAN: QR CODE

- QR is short for Quick Response.
- Two-dimensional code which can store over 5000 characters of text information.
HOW DOES IT WORKS

• Information can be accessed by using a mobile device with reader software to scan a QR code image.

• QR code can store many types of information including
  - Video
  - Audio
  - Text
  - Web link
  - Contact Information
  - Geographic location

• Popular free QR readers include QR reader & Neoreader.
CREATIVE USE OF QR: BUSINESS CARD

Tony Tin, MLS, MA, BEd, MA
Director, Library and Information Services

Renison University College
Affiliated with the University of Waterloo

t. 519.884.4404, ext. 28646 • f. 519.884.5155
240 Westmount Road North, Waterloo, ON Canada, N2L 3G4
uwatertoo.ca/renison

tony.tin@uwatertoo.ca
CREATIVE USE OF QR CODE: LIBGUIDE

How to scan a QR code:
1. Start the scanner application.
2. Point the phone’s camera to the QR code.
3. The phone will read the code and display its information.

Copyright

Basic Searching Techniques
- Choose an appropriate resource:
  - Books
  - Webs
  - Research Databases
  - Specific Journals
  - Primary Sources
- Break down your topic:
  - Imagine the title of an ideal book or magazine article
  - Identify the key concepts
  - Think of synonyms or alternate words for each of the key concepts
- Use appropriate searching techniques:
  - Boolean operators (and, or, not)
  - Phrase searching
  - Truncation and wildcards
  - Field searching
  - Trimming:
    - Refining your search using subject headings, descriptors, and other terminology

Desktop Version

Social Work Research
Research in social work for undergraduate, BSW, and MSW students
Last update: Sep 16, 2013
URL: http://subjectguides.uwaterloo.ca/content_mobile.php?pid=351001

Get Started +
Find Books +
Find Articles +
Reference Works +
Grey Literature +
Other Resources +

Mobile Version

Subject Guides
OTHER USE ...
AUGMENTED REALITY (AR)

AR is a live, direct or indirect, view of a physical, real-world environment whose elements are augmented by computer-generated sensory input such as sound, video, or graphics.
TO TOUCH: NEAR FIELD COMMUNICATION (NFC)

A set of standards for smartphones and similar devices to establish radio communication with each other by touching them together.
NFC SMART BOOK: TOUCH TO READ
FEATURING NFC SMARTBOOK TECHNOLOGY
Mobile Qi Gong App

- Partnership with the Canadian Chinese Health Qi gong Organization & School of Social Work
- Explore the use of mobile technology as a tool for delivering health and wellness information.
- Reminding and teaching of simple Qi Gong exercises that can be done anytime and anywhere.

Demo
MOBILE ARABIC LANGUAGE EVALUATION TOOLS

• Allow students to practice interactive language lessons on their own time, with their own devices.
• Utilize m-learning pedagogy with interactive lessons, audio exercises and quizzes.
• Incorporate OpenBadges
MOBILE INFORMATION LITERACY

Information Literacy: recognize when information is needed and have the ability to locate, evaluate, and effectively use the needed information

Mobile Information Literacy: incorporates technology into the learning process

OUR MOBILE PROJECT

• Over 20 videos currently (LINC).

• Expand beyond videos with activities.

• Reinforce lessons learned.

Demo
CHALLENGES

- Defining content
  - Define the amount and type of information
- Design of the format
  - Normal website vs. mobile version
  - text, images, graphics, tables, location
  - different file types (pdf, flv)
- Display models
  - different display model and stylesheet
- Different standards, data networks, and operating systems
- Language compatibility
- Bandwidth
FINAL REMARKS

• It’s not about devices, but capabilities.

• It’s not about technology, but user experience.
FINAL REMARKS

• It’s not about knowledge, but imagination.

Limitations live only in our minds. But if we use our imaginations, our possibilities become limitless.

Henry Ford
THANK YOU

Tony Tin.  tony.tin@uwaterloo.ca
Dr. Colleen McMillan: c7mcmillan@uwaterloo.ca